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Laboratory Chemicals 1981

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1st Oktober 1980

Reagents for analysis
Products for synthesis
Solvents
Products for chromatography

Industrial chemicals

Réactifs pour analyse
Produits pour la synthèse
Solvants
Produits pour la chromatographie

Produits chimiques

Reactivos para fines analíticos
Productos para síntesis
Disolventes
Productos para cromatografía

Productos químicos para indústria

Riedel-de Haën
Aktiengesellschaft

Riedel-de Haën AG

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I. General conditions of sale – Export Markets

This catalogue is intended for the customers of Riedel-de Haën Aktiengesellschaft. Stated in it are only those prices for goods which Riedel-de Haën supplies direct to customers. Customers who re-sell products bought from Riedel-de Haën as per agreement are in no way bound by this catalogue with regard to their own price structure. Nor does this catalogue contain any recommendations as to resale prices.

1. Applicable conditions

The conditions set out below shall apply unless Riedel-de Haën has drawn up and specified to the Buyer special conditions of sale for the Buyer's country; if this is the case, special conditions shall apply.

Any general conditions of purchase submitted by the Buyer are binding upon Riedel-de Haën only if confirmed in writing by Riedel-de Haën.

2. Offers for sale and orders

All offers submitted by Riedel-de Haën are not binding upon Riedel-de Haën. Orders and verbal agreements shall be binding on Riedel-de Haën only if and in so far as Riedel-de Haën has confirmed them in writing, or by form, or if it has complied with them by shipment of the goods and submission of an invoice.

Riedel-de Haën supplies orders with a minimum value of DM 1,500.–, net in one delivery, including packaging, freight paid to the frontier of the Federal Republic of Germany or alternatively f. o. b. Bremen, Hamburg or Lübeck. In view of the high cost of handling, small orders, the value of which is less than DM 1,500.–, cannot be accepted.

The expression "as before" is not binding upon Riedel-de Haën. It can be applied neither to the quality nor to the price of products.

Products which are sold by Riedel-de Haën in various qualities must be clearly specified in the order.

3. Invoicing and payment

Prices remain subject to alteration by Riedel-de Haën up to 30 days prior to the agreed date of delivery. In the event of a price increase, the Buyer shall be entitled to withdraw from the unfulfilled part of the contract within 14 days of being notified of the increase. The right of withdrawal shall not operate in the case of increases due to higher transport charges. The weight of the goods at the time of dispatch is the weight to be invoiced. Incidental expenses, such as bank charges incurred in remittance and charges for the release of shipping documents, are for the Buyer's account.

Buyer may offset or withhold payment on the grounds of a counter claim only if such counter claim has been acknowledged by Riedel-de Haën or confirmed by final court decree.

Should the Buyer be in arrears with payments or should there be reasonable doubts as to the Buyer's solvency or credit worthiness, Riedel-de Haën – without prejudice to his remaining rights – shall be entitled to require payment in advance for deliveries not so far effected, and to require immediate payment of all claims arising from the mutual business relations.

4. Delivery of goods and acceptance of deliveries

Riedel-de Haën shall be relieved from the obligation to supply for as long as the Buyer is in arrears with a due payment. Agreed delivery terms refer to the date the risk passes to the Buyer. Should the delivery date be exceeded due to Seller's fault, the Buyer shall be entitled to withdraw from the contract, under exclusion of any further rights, after expiry of a reasonable extension of time granted by the Buyer in writing, or to claim damages. Claims for damages by the Buyer on grounds of late delivery or non-delivery are however limited in amount to the invoice value of the quantity of goods delayed or not delivered, unless Riedel-de Haën is liable for deliberate or gross negligence under compulsory statutory legislation.

Unforeseen plant stoppages, delayed or non-deliveries from Riedel-de Haën's suppliers, labour shortages, power failures or raw material shortages, strikes, lockouts, difficulties in providing transport, transport delays, official restraints and any events of force majeure shall, for the duration of and to the extent of impact of such contingency, relieve the party thereby affected from any obligation to deliver or accept delivery as the case may be. Should, consequent upon such a contingency, delivery be delayed for more than one month, the Buyer shall be entitled, under exclusion of all further claims, to withdraw from the unfulfilled part of the contract; should acceptance of delivery be delayed for more than one month, Riedel-de Haën shall be entitled, under exclusion of all further claims, to withdraw from the unfulfilled part of the contract.

5. Shipment

Method of transport and route shall be at the option of Riedel-de Haën. Wishes of the Buyer shall be taken into consideration by Riedel-de Haën as far as possible, any additional costs being for the Buyer's account.

6. Assignment of risk

Unless otherwise agreed, risk shall finally pass to the Buyer when the goods are dispatched from the supply works or – should the Buyer require a delay in delivery date – from the date Riedel-de Haën is ready to dispatch the shipment.

7. Notification of defects

The Buyer shall check whether the goods delivered are of contractual quality and suitable for the intended purpose. If this is not done at all or not carried out in the appropriate manner, or if patent or obvious defects are not promptly reported to Riedel-de Haën, at the latest within 14 days of receipt of the goods, the goods shall be considered as approved in respect of such defects. Latent defects shall be deemed approved if such defects are not reported to Riedel-de Haën as soon as discovered, but at the latest within 6 months of the dispatch of the goods from the point of shipment. Complaints shall be notified in writing and include date of order and invoice and dispatch number. Goods under complaint shall not be returned except with Riedel-de Haën's express consent.

In the case of properly notified and justified complaints Riedel-de Haën shall only be obliged, at its discretion, having due regard to the Buyer's interests, to reduce the price, remedy the defect, exchange the goods or take them back refunding the purchase price. Should Riedel-de Haën not fulfil this obligation, the Buyer shall have the right to choose from these remedial measures. Further claims by the Buyer are, as far as legally permitted, excluded; this applies particularly to compensation claims for damages not arising directly from the goods themselves (consequential damages).

8. Liability, withdrawal from contract

The Buyer shall be entitled to claim compensation or to withdraw from the contract only in such cases and to such an extent as are expressly stated in these Conditions of Sale. Riedel-de Haën shall have no other or further liability whatsoever, whether in contract or under the law of torts, unless, due to wilfulness or gross negligence on the part of Riedel-de Haën, Riedel-de Haën is liable without limitation under any applicable compulsory statutory legislation.

9. Reservation of proprietary rights

The goods shall become the property of the Buyer only after he has settled all his obligations arising from the mutual business transactions. The Buyer shall collaborate in all measures which Riedel-de Haën wishes to take to protect its proprietary rights in the goods delivered. If a third party should try to assert or substantiate rights in the goods, the Buyer shall inform Riedel-de Haën immediately.

10. Trademarks

If products which carry a trademark are to be re-packaged, processed further, or mixed with other substances etc., such trademarks may be used in conjunction with the goods re-packaged or further processed by the Buyer only with the express written agreement of the trademark owner.

11. Packaging

Non-returnable containers and packagings shall be re-used in the course of business only after the company logo and name and the trademarks and designations used by Riedel-de Haën have been obliterated. It is the User's own responsibility to observe the packaging classification. Additional packaging conditions issued by Riedel-de Haën apply to large containers with contents exceeding 5 kg/litre.

12. Incoterms

In addition to the foregoing conditions, the "Incoterms" issued by the International Chamber of Commerce in Paris apply; in each case the latest version at the time of the execution of the order shall be applicable.

13. Applicable law and legal domicile

All sales contracts shall be subject to the laws of the country in which Riedel-de Haën's head office is established. Unless otherwise provided under competent national legislation, the courts at the place of Riedel-de Haën's head office shall have jurisdiction. For actions by Riedel-de Haën the competent courts of the country in which the principal place of business of the Buyer is located shall also have jurisdiction.

September 1980

II. Explanations

Analytical data

The purity of analytical grade chemicals and specialities from Riedel-de Haën is indicated in the specifications by the data of guarantee analyses which show minimum ("min.") and maximum ("max.") contents.

For the remaining chemicals (including chemically pure chemicals and chemicals for synthesis processes) grade analyses (contents without the addition of "min." or "max.") are given. The data given in these specifications are averages from analyses of individual batches.

Pharmacopoeia qualities

When the chemical name is followed by the names of pharmacopoeias, the article meets the requirements of these pharmacopoeias. These articles frequently contain smaller quantities of impurities then those permitted by the respective pharmacopoeias; in these cases typical values for the impurities are given in the specifications. Purity testing by Riedel-de Haën does not relieve the buyer or processor of the obligation to observe the provisions of the applicable drug laws. In particular in the manufacture of solutions for injection and infusion the guidelines of the pharmacopoeias with regard to preparation, sterilization and testing for pyrogens must be taken into account.

Labels

The analytical data are also shown on the labels.

These data are valid at the time this catalogue goes to press. Any later changes are taken into account on new labels. The authoritative data for the quality of a product are the specifications on the label.

Guarantee

The quality of our products is guaranteed under our General Conditions of Sale.

Riedelbox-System

quantity ordered	quantity to be supplied
a) if less than 1 "Riedelbox"	
up to 4 packages	quantity ordered
5–6 packages	1 "Riedelbox"
b) if more than 1 "Riedelbox"	
1–2 packages more	rounded off downward
3–5 packages more	rounded off upward

If this system is not wanted, corresponding prices will be charged for single packages or boxes.

III. Quality designations

The laboratory chemicals range of Riedel-de Haën AG contains preparations in different quality grades, in accordance with the requirements of the respective fields of application:

1. PURANAL®

is the trademark for high-purity chemicals. Testing of these products for any remaining impurities in the sub-ppm range is carried out by means of the most-up-to-date methods of trace analysis. The guarantee values for these trace impurities should be regarded as being the upper limit. The actual values are in many cases appreciably lower. Although the main field of application for this range is the manufacture of semiconductors. PURANAL® chemicals are also widely used in trace analysis and in research and development.

2. Analytical reagents

Chemicals in this purity grade conform to the requirements of the analyst. The minimum ("min.") or maximum ("max.") trace impurity contents indicated in the specifications are guarantee values, the observance of which is monitored by regular detailed analytical controls. Reagents that meet the purity requirements of the American Chemical Society, the International Organization for Standardization or the reagents section of the German Pharmacopoeia-(comprising DAB 8 and the 3 volumes of the European Pharmacopoeia) carry the additional designations "Reag. ACS", "Reag. ISO" or "Reag. DAB 8" or "Reag. Ph. Eur. I" respectively.

3. PESTANAL®

is the trademark of chemicals and solvents used for analysis of pesticide residues. These very highly purified solvents contain no impurities which in the gas chromatogram (ECD) yield higher readings in the relevant volume ranges than 5×10^{-10} or 5 ng/litre pentachlorobenzene, α-HCH, Aldrin or DDT respectively.

4. SPECTRANAL® chemicals

are solvents and preparations for spectroscopy. The minimum permeabilities of these products, which are obtained by special purification methods, in some cases for exceed those guaranteed in the case of the corresponding CHROMASOLV® solvents.

5. CHROMASOLV® solvents

possess guaranteed permeabilities at specific wavelengths for liquid chromatography. They are suitable for analytical and preparative separations in high-pressure liquid, thin-layer and column chromatography.

6. PROSYNTH® chemicals

are primarily preparations for organic synthesis in analytical laboratory, technical laboratory and plant. This range meets the requirement of the organic chemist for as wide as possible a range of synthesis building blocks. Special mention can be made of a large selection of organic bromine and fluorine chemicals that are in some cases difficult to synthesize. The purity of these products is indicated in the form of a standard analysis stating content and a number of physical data.

A number of chemicals are identified by a trademark or by stating the specific field of application. The products in question have thus, for example, been allocated quality designations such as BIOSYNTH®, FIXANAL®, IDRANAL® or for chromatography, for microscopy, for scintillation, for extraction analysis, indicator, hydrogenation catalyst.

IV. Hazard indications, safety recommendation and hazard symbols

Hazard identification and safety recommendation for handling chemicals

In the member states of the European Economic Community certain dangerot chemicals must be identified by hazard symbols, risk descriptions ("R" phrases) and safety recommendations ("S" phrases). The hazard symbols for these chemicals and the numbers of the appropriate "R" and "S" phrases are used on our product labels and also in our catalogue. The text represented by each number and which must be observed when handling the products concerned is given below.

We apply this identification system not only to the substances listed in the EEC directive but also to other chemicals which; in our present experience, constitute a hazard in view of their properties and the quantities handled. The absence of "R" and "S" phrases does not imply that the chemicals concerned are harmless. The usual hygiene and safety precautions for the handling of chemicals must always be observed.

Nature of the special risk attaching to dangerous substances (R-phrases)

R 1	Explosive when dry.
R 2	Risk of explosion by shock, friction, fire or other sources of ignition.
R 3	Extreme risk of explosion by shock, friction, fire or other sources of ignition.
R 4	Forms very sensitive explosive metallic compounds.
R 5	Heating may cause an explosion.
R 6	Explosive with or without contact with air.
R 7	May cause fire.
R 8	Contact with combustible material may cause fire.
R 9	Explosive when mixed with combustible material.
R 10	Flammable.
R 11	Highly flammable.
R 12	Extremely flammable.
R 13	Extremely flammable liquefied gas.
R 14	Reacts violently with water.
R 15	Contact with water liberates highly flammable gases.
R 16	Explosive when mixed with oxidising substances.
R 17	Spontaneously flammable in air.
R 18	In use, may form flammable/explosive vapour-air mixture.
R 19	May form explosive peroxides.
R 20	Harmful by inhalation.
R 21	Harmful in contact with skin.
R 22	Harmful if swallowed.
R 23	Toxic by inhalation.
R 24	Toxic in contact with skin.
R 25	Toxic if swallowed.
R 26	Very toxic by inhalation.
R 27	Very toxic in contact with skin.
R 28	Very toxic if swallowed.
R 29	Contact with water liberates toxic gas.
R 30	Can become highly flammable in use.
R 31	Contact with acids liberates toxic gas.
R 32	Contact with acids liberates very toxic gas.
R 33	Danger of cumulative effects.
R 34	Causes burns.
R 35	Causes severe burns.
R 36	Irritating to eyes.
R 37	Irritating to respiratory system.
R 38	Irritating to skin.
R 39	Danger of very serious irreversible effects.
R 40	Possible risks of irreversible effects.
R 42	May cause sensitization by inhalation.
R 43	May cause sensitization by skin contact.

Combination of R-phrases

R 14/15	Reacts violently with water liberating highly flammable gases.
R 15/29	Contact with water liberates toxic, highly flammable gas.
R 20/21	Harmful by inhalation and in contact with skin.
R 21/22	Harmful in contact with skin and if swallowed.
R 20/22	Harmful by inhalation and if swallowed.
R 20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R 23/24	Toxic by inhalation and in contact with skin.
R 24/25	Toxic in contact with skin and if swallowed.
R 23/25	Toxic by inhalation and if swallowed.
R 23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
R 26/27	Very toxic by inhalation and in contact with skin.
R 27/28	Very toxic in contact with skin and if swallowed.
R 26/28	Very toxic by inhalation and if swallowed.
R 26/27/28	Very toxic by inhalation, in contact with skin and if swallowed.
R 36/37	Irritating to eyes and respiratory system.
R 37/38	Irritating to respiratory system and skin.
R 36/38	Irritating to eyes and skin.
R 36/37/38	Irritating to eyes, respiratory system and skin.
R 42/43	May cause sensitization by inhalation and skin contact.

Safety precautions (S)

S 1	Keep locked up.
S 2	Keep out of reach of children.
S 3	Keep in a cool place.
S 4	Keep away from living quarters.
S 5	Keep contents under water.
S 5a	Keep contents under paraffin oil.
S 5b	Keep contents under petroleum.
S 6	Keep under ... (inert gas to be specified by the manufacturer).
S 7	Keep container tightly closed.
S 8	Keep container dry.
S 9	Keep container in a well-ventilated place.
S 10	Keep contents wet.
S 11	Avoid contact with air.
S 12	Do not keep the container sealed.
S 13	Keep away from food, drink and animal feeding stuffs.
S 14	Keep away from highly flammable substances.
S 15	Keep away from heat.
S 16	Keep away from sources of ignition – No smoking.
S 17	Keep away from combustible material.
S 18	Handle and open container with care.
S 20	When using do not eat or drink.
S 21	When using do not smoke.
S 22	Do not breathe dust.
S 23	Do not breathe vapour.

S 24 Avoid contact with skin.
S 25 Avoid contact with eyes.
S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S 27 Take off immediately all contaminated clothing.
S 28 After contact with skin, wash immediately with plenty of water.
S 28a After contact with skin, wash immediately with plenty of coppersulphate solution 2 %.
S 29 Do not empty into drains.
S 30 Never add water to this product.
S 31 Keep away from explosive materials.
S 33 Take precautionary measures against static discharges.
S 34 Avoid shock and friction.
S 35 This material and its container must be disposed of in a safe way.
S 36 Wear suitable protective clothing.
S 37 Wear suitable gloves.
S 38 In case of insufficient ventilation, wear suitable, respiratory equipment.
S 39 Wear eye/face protection.
S 40 To clean the floor and all objects contaminated by this material, use . . . (to be specified by the manufacturer).
S 41 In case of fire and/or explosion do not breathe fumes.
S 42 During fumigation/spraying wear suitable respiratory equipment.
S 43 In case of fire, use water.
S 43a In case of fire, use sand (Never use water).
S 44 If you feel unwell, seek medical advice (show the label where possible).
S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Combination of S-phrases

S 1/2 Keep locked up and out of reach of children.
S 3/9 Keep in a cool, well-ventilated place.
S 7/9 Keep container tightly closed and in a well-ventilated place.
S 7/8 Keep container tightly closed and dry.
S 20/21 When using do not eat, drink or smoke.
S 24/25 Avoid contact with skin and eyes.
S 36/37 Wear suitable protective clothing and gloves.
S 36/39 Wear suitable protective clothing and eye/face protection.
S 37/39 Wear suitable gloves and eye/face protection.
S 39/37/39 Wear suitable protective clothing, gloves and eye/face protection.

Hazard warning symbols and hazard designations

E

Explosive

O

Oxidising

T

Toxic

F

Highly flammable

C

Corrosive

Xn

Harmful

Xi

Irritant

V. Waste disposal procedures

Instructions for the disposal of small quantities of laboratory chemicals

Large quantities of waste chemicals must be treated as set out in the provisons of the German Disposal of Waste Materials Act (Abfallbeseitigungsgesetz). Small quantities of waste laboratory chemicals can, in some instances, be chemically converted to ecologically acceptable or even harmless compounds. Depending on their chemical properties, these substances must bei modified – for example by neutralization, oxidation or reduction – in such a way that their end products, when disposed of into the waste water or to approved landfill dumping sites, do not constitute a hazard to the health of the general public or to the environment.

The working methods described hereafter are intended as a guide to assist trained staff in the disposal of small laboratory-scale quantities of harmful chemicals. We cannot accept any responsibility for the application of these methods. Local conditions and also official regulations may rule out the use of one or another of these methods.

The chemical reactions mentioned as examples are in each instance representative of a group of chemicals. They do not take into account the special properties of individual substances. In this respect, too, the described methods constitute noncommittal recommendations only. Furthermore, it is necessary to ascertain that the required conversion has gone to completion before its end products are disposed of into the waste water or to an approved landfill dumping site.

In connection with these methods we would also draw attention to the Accident Prevention Regulations and the relevant Data Sheets published by the Employers' Liability Insurance Institute of the German chemical industry (Berufsgenossenschaft der chemischen Industrie) as well as to the hazard descriptions and the safety data sheets drawn up in accordance with the German regulations on dangerous substances classification or to EEC directives, which are also stated in this catalogue.

Examples of methods for the disposal of waste chemicals

1. **Inorganic acids and acid solutions** are first diluted with water and then slowly neutralized (to pH 6–8) by adding sodium hydroxide solution (cat. No. 05211). The resultant salt solution can be usually disposed of into the waste water – possibly after further dilution. The maximum permissible concentrations should be observed.

   Spillages of acids are sprinkled with excess calcium hydroxide and/or sodium bicarbonate powder (cat. No. 12038 and 13433). When the reaction has gone to completion, the spillage can be mopped up with a damp cloth and the affected area washed down with a large volume of water.

2. **Salts which react acid in aqueous solution** are, if necessary, first mixed with sodium bicarbonate or sodium carbonate powder (cat. No. 13433 or 13419), then dissolved in plenty of water and usually disposed of into the waste water in neutralized form. The maximum permissible concentrations should be observed.

3. Inorganic, water-soluble **hydroxides, alkaline solutions and organic bases** are slowly neutralized with dilute (sulphuric) acid (cat. No. 07208) and disposed of into the waste water as a dilute aqueous salt solutions (pH 6–8). The maximum permissible concentrations should be observed.

   Spillages of alkaline solutions and alkaline-reacting liquids can be sprinkled with excess sodium bisulphate powder (cat. No. 13437) and mopped up with a damp cloth; the affected area should then be washed down with a large volume of water.

4. **Basic salts** are, if necessary, first mixed with solid sodium bisulphate (cat. No. 13437), dissolved in water and disposed of into the waste water as dilute, neutralized solutions (pH 6–8).

5. **Readily volatile low-hazard organic compounds** can be freely allowed to evaporate in small quantities if premises are provided with effective fume extraction equipment or evaporation is in the open air. The formation of flammable vapour/air mixtures must be avoided. Naked flames and other sources of ignition must be excluded from the site.

6. Flammable liquids such as **hydrocarbons, alcohols, esters and ketones** must be destroyed in a combustion unit with post-combustion.

   Small volumes, e. g. also solvent residues, can be absorbed with filter paper or another absorbent combustible material and burnt or allowed to evaporate in an open vessel in the open air (see method 5).

   For compounds of this type, recovery, e. g. by method 13, should be considered.

7. Combustible **organic halogen compounds** are mixed with sodium carbonate and/or calcium hydroxide powder (cat. No. 13419 and No. 12038) before burning them. Liquid organic halides should first be taken up with an absorbent material, sprinkled with calcium hydroxide powder and then burnt in a approved manner.

8. **These relatively non-hazardous substances** can be disposed of direct to the waste water after they have been diluted with a large volume of water. The maximum permissible concentrations should be observed.

9. These **dangerous substance are difficult to convert** and should be disposed of to a special licenced dumping site.

10. Even small amounts of these **highly toxic chemicals** are not easy to dispose of. They must therefore be deposited with an approved and controlled dumping site for toxic waste materials or collected separately for recovery.

11. These compounds, e. g. **liquid inorganic halides,** should be added with special safety precautions – behind a safety shield or in a fume cupboard – to a mixture of sodium carbonate and calcium hydroxide (cat. No. 13419 and 12038). After the reaction has gone to completion, the mixture is slowly stirred into a large volume of water and, after neutralization, generally disposed of into the waste water.

12. **These substances** are slowly poured onto ice in a laboratory fume cupboard and neutralized. After dilution the mixture can usually be disposed of into the waste water.

13. These **liquids, which generally produce toxic fumes,** should, if possible, be cleansed and recovered, e. g. by distillation. Alternatively they can be disposed of by method 5, 6 or 7.

14. The **aldehydes** are blanketed with sodium sulphite (cat. No. 13471) and then mixed with a small amount of water. After the reaction has gone to completion, the product is diluted with a large volume of water and then usually disposed of into the waste water. In certain circumstances these compounds can also be carefully evaporated or combusted in a laboratory fume cupboard (see methods 5 and 6).

15. **Nitriles and mercaptans** are oxidized with a max. 15% aqueous solution of chloride of lime (cat. No. 12103). The reaction must be assisted by prolonged vigorous stirring. The mixture should then be neutralized and well diluted before it is disposed of into the waste water.

16. **Oxidizing, combustion-supporting compounds** are thoroughly mixed with reducing agents in solid form, e. g. sodium thiosulphate or sodium sulphite (cat. No. 13481 or 13471). A small amount of water is then added with stirring. If necessary, the reaction should be accelerated by careful addition of dilute sulphuric acid (cat. No. 07208). After neutralization, the liquid can be flushed with a large volume of water into the waste water system.

17. **Metal azides and azo compounds** must be oxidized on ice with a dilute solution of ammonium cerium (IV) nitrate (cat. No. 31823). After the reaction has gone to completion, the organic phase should if necessary, be separated and combusted. The residue can be diluted with a large volume of water and then usually disposed of into the waste water.

18. **Substances dissolved** in organic solvents are disposed of by method 6 or 7; alcohol is added to increase combustibility.

19. **Amines** can be neutralized by method 3 or combusted by method 6 or 7.

20. **These compounds** must be combusted or evaporated only in small quantities and after special safety precautions have been taken (see method 5).

    Alternatively they can be separately collected and recovered in accordance with method 13.

21. **Organic acids and acid halides** should be neutralized, e. g. by method 1 or 2, or combusted by method 6 or 7.

22. **Inorganic cyanides** are treated with sodium hydroxide solution (cat. No. 05211) and chloride of lime solution (cat. No. 12103), which are allowed to act for an extended period. The cyanate solution which forms can usually be disposed of to the waste water after dilution with a large volume of water.

23. Non-combustible **organic halogen compounds** should be collected and recovered by distillation. Alternatively they can be mixed with combustible solvents and burnt using method 7.

24. The **metal** content of these compounds should be recovered or converted to water-insoluble compounds. The solutions prepared, for instance, by the addition of an acid, are carefully neutralized with ammonium hydroxide solution; the metal is then precipitated as a hydroxide, carbonate or sulphate by adding suitable precipitating agents. The precipitate is washed, filtered and dried before it is recycled or disposed of to a special approved dumping site for toxic waste materials.

    Small quantities can be disposed of to the waste water after they have been diluted (see also method 26).

25. Radioactive compounds – even small residues – must be carefully collected separately from other waste materials for disposal to a specially approved dumping site or for recycling.

26. To recover the **metal** content, the salt is dissolved in hydrochlorid acid (cat. No. 07104); after dilution and possible neutralization, the solution is saturated with hydrogen sulphide in a fume cupboard to precipitate the metal sulphides. After washing and drying the precipitate should be either recycled or disposed of to a special approved dumping site for toxic waste materials (see also method 24).

27. **Hydrofluoric acid and inorganic fluorine compounds,** even in relatively small quantities, are treated with calcium hydroxide powder (cat. No. 12038) or milk of lime to precipitate insoluble calcium fluoride from the aqueous solution. After washing and drying, the precipitate must be disposed of to an approved dumping site. The solutions should, if necessary, be treated by method 24.

28. **Alkali and alkaline earth metals** and certain organometallic compound are first covered dry with anhydrous sodium carbonate (cat. No. 13419) Butanol (cat. No. 24124) can then be added in a fume cupboard, care being taken first to eliminate all sources of ignition. After reaction has gone to completion – on the following day – the reaction product is carefully diluted with a large volume of water and neutralized before it is disposed of into the waste water.

29. **Phosphorus and metal phosphides** are oxidized with dilute solutions of, for instance, chloride of lime (cat. No. 12103) in sodium hydroxide solutions (cat. No. 05211). Some of these substances and their reaction products are highly flammable and should be handled under a nitrogen blanket in a fume cupboard. The substances are introduced in small portions into the well-chilled oxidizing solution, which serves as the receiver. The precipitated, possibly toxic, reaction products can be combusted according to method 7.

VI. Abbreviations, conventional signs and pharmacopoeiae

B.T.N. = Brussels tariff number
A. = ampoule, vial
AL./ALU. = aluminium can
BA. = carboy
BL. = metal container
BLT. = metal drum
EKL. = metal can (light)
EKS. = metal can (heavy)
F. = drum
FL. = glass bottle
FPD. = plastic drum
FPF. = plastic drum
FTP. = fibre drum
K. = carton
KA. = can
PF. = plastic bottle
PKM. = plastic container
S. = bag
SF. = steel cylinder
STP. = drum
TS. = carboy in special iron drum
WG. = glass bottle (wide)
ZK. = tin can
pack = standard package
kg = kilogramme
g = gramme
mg = milligramme
ml = millilitre
L = litre
D = density
R.G. = reagent grade
GC = gas chromatography
ε = molar extinction coefficient
n = refractive index
$[\alpha]_{20}^{D}$ = specific rotation
nm = nanometer
C.I.No. = number of colour index 2nd edition 1956
S.No. = number of Schultz' colour scale 7th edition
® = registered trade mark, indication that the TM is registered in one or more countries. (Names not marked are not necessarily nonproprietary names.)
1 L ≈ ... kg = The weight figures are given as references for calculations. They do not represent an exact scientific figure.
† = subject to being unsold, packing size to be cancelled

The numbers appearing below the article numbers indicate the hazard class with class code number and/or UN number (* = assimilated), including data on the pack group of the following transport regulations:

A) RID/ADR = Règlement international concernant le transport des marchandises dangereuses par chemin de fer/Accord européen relatif au transport international des marchandises dangereuses par route (International regulation on the transport of hazardous goods by rail/European aggreement on the international transport of hazardous goods by road)
B) GGVE/GGVS = Gefahrgutverordnung Eisenbahn/Straße (Hazardous goods regulation rail/road)
C) IMDG-CODE (GGVSee) = International maritime dangerous goods code (Gefahrgutverordnung See/Hazardous goods regulation sea)

Class 1 = explosive substances
Class 2 = compressed or liquefied gases or gases dissolved under pressure
Class 3 = inflammable liquids
Class 4.1 = inflammable solids
Class 4.2 = spontaneously inflammable substances
Class 4.3 = substances which in contact with water generate inflammable gases
Class 5.1 = substances with igniting (oxidizing) action
Class 5.2 = organic peroxides
Class 6.1 = poisonous substances
Class 7 = radioactive substances
Class 8 = substances causing chemical burns
Class 9 = miscellaneous dangerous goods

Reference to special permit (AG)

AG 521, **AG 38/78** } Product exempted from transport regulations

Some of the indicated flash points are from the literature. Where the RID/ADR and GGVE/GGVS classifications of a substance coincide, the common classification is expressed only under "A".

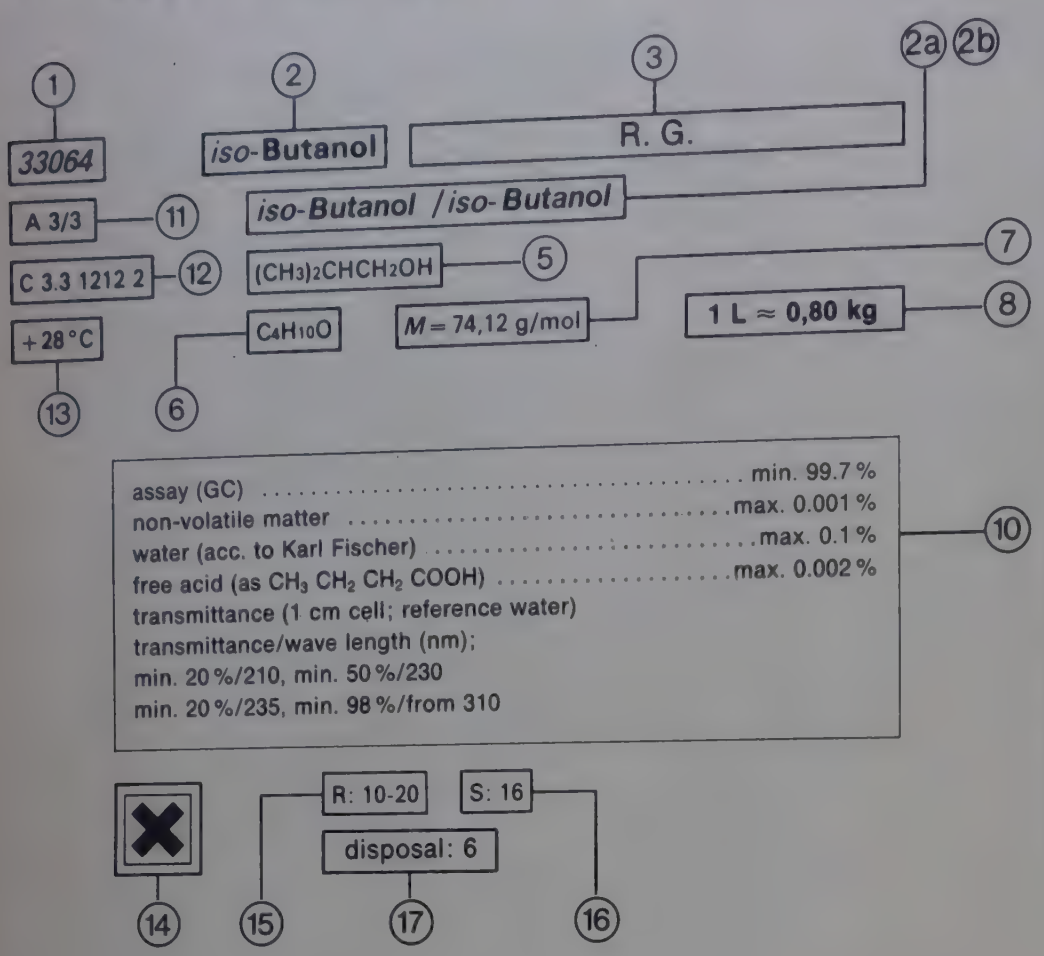
It is absolutely forbidden to ship dangerous goods by post.

Pharmacopoeiae

DAB = Deutsches Arzneibuch
DAC = Deutscher Arzneimittel Codex
Erg.B. = Ergänzungsbuch zum Deutschen Arzneibuch
B.P. = British Pharmacopoeiae
B.P.C. = British Pharmaceutical Codex
Cod.Franç. = Codes Français
N.F. = The National Formulary
ÖAB = Österreichisches Arzneibuch
Ph.Belg. = Pharmacopée Belge
Ph.Eur.I = European Pharmacopoeia, Vol I, II, III
Ph.Franç. = Pharmacopée Française
Ph.Ned. = Pharm. Nederlandica
Ph.Nord. = Pharm. Nordica
U.S.P. = United States Pharmacopoeia

This information is based on our present state of knowledge and is intended to provide general notes on our products and their uses. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application. Any existing industrial property rights must be observed. The quality of our products is guaranteed under our General Conditions of Sale.

VII. Key to text appearing on product labels



1. Reference number
2. Substance name, 2a French, 2b Spanish
3. Description of product range: general quality characteristics; indication of uses; form in which supplied; names of stabilizers.
5. Stoichiometric structural formula
6. Empirical formula
7. Relative molar mass
8. Mass of 1 litre in the case of liquids (approximate value)
10. Specifications (physical constants)
11. Hazard class (for transport under ADR/RID)
12. Hazard class IMDG Code, U.N. number and packaging group
13. Flash point
14. Danger symbol (German ArbStoffV = EEC classification of dangerous substances)
15. Risk descriptions (EEC 'R' phrases)
16. Safety recommendations (EEC 'S' phrases)
17. Instructions for the disposal of small quantities of the substance
18. Type of packaging (abbreviated description)
19. Size of pack
20. Price scale
21. Brussels Nomenclature Tariff Number (BTN)

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I. Conditions générales de vente à l'exportation

Ce tarif est destiné à la clientèle de Riedel-de Haën et ne contient que les prix auxquels Riedel-de Haën fournit la marchandise à ses clients. Dans la mesure où d'après contrat les clients revendent la marchandise fournie par Riedel-de Haën, ils ne sont aucunement liés à ce tarif dans la fixation de leurs propres cotations. Ce tarif ne contient pas non plus de recommandations pour la revente.

1. Conditions applicables

Les conditions ci-après sont applicables, sauf conditions particulières établies par Riedel-de Haën pour le pays d'origine de l'acheteur et communiquées à ce dernier; dans ce cas, les conventions particulières priment.

Les conditions générales d'achat de l'acheteur ne sont valables que lorsqu'elles sont confirmées par écrit par Riedel-de Haën.

2. Offres et commandes

Toutes les offres de Riedel-de Haën s'entendent sans engagement de sa part. Les commandes ou conventions verbales n'engagent Riedel-de Haën que dans la mesure où elles ont été confirmées par écrit ou par formulaire ou par livraison de marchandises et facturation conforme.

Riedel-de Haën n'effectue de livraison, emballage inclus, franco frontière de la République fédérale d'Allemagne ou fob Bremen, Hamburg ou Lübeck qu'à partir d'une valeur minimum de DM 1500 net. Les commandes inférieures à cette valeur ne peuvent pas être exécutées pour des raisons de rationalisation.

La mention (comme précédemment) n'engage pas Riedel-de Haën. Elle ne peut se rapporter ni à la qualité ni au prix.

Les articles qui, selon le tarif de Riedel-de Haën, sont commercialisés en qualités différentes doivent être exactement spécifiés dans la commande.

3. Facturation et règlement

Jusqu'à 30 jours avant la date de livraison convenue, Riedel-de Haën pourra modifier ses prix. En cas d'augmentation des prix, l'acheteur est en droit de résilier le contrat dans les 15 jours qui suivent la communication de cette hausse, pour la partie non encore exécutée. Le droit de résiliation n'est pas applicable si la hausse des prix résulte d'une augmentation des tarifs de transport. Pour la facturation, le poids constaté au départ de l'usine sera seul pris en considération. Les frais annexes, tels que les frais bancaires occasionnés par le virement du montant de la facture ainsi que les frais d'acquit des documents, en cas de transport maritime, seront à la charge de l'acheteur.

L'acheteur ne pourra opposer à la créance de Riedel-de Haën une compensation ou un droit de rétention que lorsque la contre-créance de l'acheteur aura été expressément ou juridiquement reconnue.

En cas de retard de règlement ou si la solvabilité de l'acheteur devient douteuse, Riedel-de Haën sera en droit, sans qu'il soit pour autant porté préjudice à ses autres droits, d'exiger des acomptes pour les livraisons à venir et le règlement immédiat de toutes les créances.

4. Livraison et réception

L'obligation de livrer de Riedel-de Haën est suspendue aussi longtemps que l'acheteur est en retard de paiement. Les dates de livraison convenues détermineront le transfert des risques à l'acheteur. En cas de retard de livraison, implicable à Riedel-de Haën, l'acheteur peut – sous exclusion de tous autres droits – se désister du contrat ou exiger des dommages et intérêts après avoir fixé par écrit au vendeur un délai raisonnable.

Cependant, les demandes de dommages et intérêts formulées par l'acheteur, en raison de retard ou de non-exécution, sont limitées à la valeur de facturation des marchandises non livrées ou livrées en retard, à moins que la responsabilité de Riedel-de Haën ne soit pas illimitée, d'après des lois impératives, par suite de faute intentionnelle ou négligence grave.

Les perturbations dans l'exploitation, dépassement des délais de livraison ou absence de livraison imputables aux fournisseurs de Riedel-de Haën, de même que la pénurie de main d'oeuvre, d'énergie ou de matières premières, grèves, lock-out, difficultés pour trouver des moyens de transport, perturbations de trafic, décisions des pouvoirs publics et cas de force majeure dégagent la partie qui en est victime, et ses obligations de livraison ou de réception, pour toute la durée des troubles et l'étendue de leurs conséquences.

Si, du fait de tels troubles, le délai de livraison ou de réception se trouve remis de plus d'un mois, chacune des parties est en droit de résilier le contrat pour la partie non encore exécutée, à l'exclusion de toute autre revendication.

5. Expéditions

Le mode d'expédition et l'itinéraire sont fixés par Riedel-de Haën. Riedel-de Haën s'efforcera, dans la limite de ses moyens, de tenir compte des désirs de l'acheteur; les frais supplémentaires qui en résulteraient seraient à la charge de l'acheteur.

6. Transfert des risques

Sauf convention contraire, le transfert des risques à l'acheteu a lieu définitivement au moment où la marchandise quitte l'usine du vendeur ou, dans la mesure où l'acheteur ne se trouve pas en état de recevoir la marchandise, à la data à laquelle Riedel-de Haën est prêt à l'expédier.

7. Réclamations

L'acheteur doit vérifier si la qualité de la marchandise livrée est conforme aux stipulations contractuelles et si elle convient à l'usage auquel elle est destinée. S'il néglige ce contrôle ou s'il n'est pas fait comme il se doit ou si des vices apparents ne sont pas signalés à Riedel-de Haën immédiatement – et au plus tard dans les quinze jours qui suivent la réception de la marchandise – celle-ci sera réputée conforme. Les vices cachés sont considérés comme acceptés s'ils ne sont pas signalés à Riedel-de Haën dès leur constatation – et au plus tard six mois après la date d'expédition de la marchandise de son lieu de départ. Toutes les réclamations doivent être formulées par écrit avec indication des dates de commande et des numéros de facture et de bon d'expédition. Une marchandise contestée ne pourra être retournée qu'avec l'accord exprès de Riedel-de Haën.

En cas de réclamation justifiée et régulièrement formulée, Riedel-de Haën a le choix, compte tenu des intérêts de l'acheteur, entre une remise de prix, la réparation, l'échange de la marchandise ou encore sa reprise au prix d'achat. Si Riedel-de Haën ne remplit pas cet engagement, l'acheteur est en droit de choisir entre ces possibilités. Les autres revendications de l'acheteur – pour autant que ce soit légalement admis – sont exclues, notamment en ce qui concerne le dédommagement de préjudices autres que ceux survenus à la marchandise elle-même.

8. Responsabilité, résolution

L'acheteur ne pourra résilier le contrat ou prétendre à des dommages et intérêts que dans la limite et pour les cas stipulés aux présentes conditions; une plus ample responsabilité de Riedel-de Haën – pour quelque raison juridique que ce soit et même s'il y a violation des obligations contractuelles accessoires ou agissements illicites – est exclue, à moins que Riedel-de Haën ne soit entièrement responsable, suivant les lois en vigueur, pour faute intentionnelle ou négligeance grave.

9. Réserve de propriété

Les marchandises livrées ne deviennent la propriété de l'acheteur que lorsque celui-ci a rempli toutes les obligations prévues dans les conventions commerciales réciproques. L'acheteur est tenu de coopérer à toutes mesures que Riedel-de Haën désire prendre quant à la protection de sa propriété sur la marchandise livrée. Si des tiers justifient ou font valoir leur droit sur la marchandise, l'acheteur doit en informer immédiatement Riedel-de Haën.

10. Marques

Si des produits identifiés par une marque sont reconditionnés, transformés ou mélangés à d'autres substances, etc., lesdites marques ne peuvent être utilisées en corrélation avec les produits reconditionnés ni fabriqués par l'acheteur qu'avec l'autorisation expresse, écrite et préalable du titulaire de la marque.

11. Conditionnement

Les récipients et emballages non-retour ne peuvent être réutilisées par Riedel-de Haën qu'une fois rendus méconnaissables les raisons sociales et symboles ainsi que les marques et désignations. Il incombe à la responsabilité de l'utilisateur de tenir compte des prescriptions concernant le conditionnement. Pour les grands récipients dépassants 5 kg/l des conditions d'emballage complémentaires de Riedel-de Haën sont appliquées.

12. Incoterms

En complément des présentes conditions, les incoterms, édités par la Chambre de Commerce Internationale de Paris, sont valables dans la dernière version en vigueur au moment de l'exécution de la commande.

13. Droit applicable et compétence juridique

Tous les contrats de vente sont régis par le droit applicable au lieu du siège principal de Riedel-de Haën. A moins que des prescriptions légales et contraignantes ne s'y opposent, la juridiction compétente sera celle du lieu du siège principal de Riedel-de Haën; pour les revendications de Riedel-de Haën, la juridiction compétente peut être celle du siège principal de l'acheteur.

Septembre 1980

II. Explications

Indications analytiques

La pureté des produits chimiques pour l'analyse des qualités spéciales de Riedel-de Haën est décrite par l'indication d'analyses de garantie – teneur minimale («min.») et teneur maximale («max.») dans les spécifications.

Pour les autres produits chimiques (entre autres ceux chimiquement purs et ceux pour la synthèse), on indique des analyses type (teneurs sans additif «min.» ou «max.»). Les indications figurant dans ces spécifications sont des valeurs moyennes résultant des analyses des différents lots.

Qualités pharmaceutiques

Lorsque la désignation des produits chimiques est accompagnée d'une indication d'une pharmacopée, l'article en question correspond aux exigences de ladite pharmacopée. Ces articles contiennent fréquemment des quantitées d'impuretés plus faibles que celles autorisées par les pharmacopées respectives; les spécifications indiquent dans ces cas des valeurs spécifiques pour les impuretés. Le contrôle de pureté effectué par Riedel-de Haën ne dispense pas l'acheteur ou le transformateur d'observer lui-même les dispositions des lois sur les produits pharmaceutiques valables de cas en cas. Notamment lors de la fabrication de solutions destinées à l'injection et à l'infusion, il est recommandé de tenir compte des directives des pharmacopées en matière de préparation, de stérilisation et de pyrogénation.

Etiquettes

Les indications analytiques figurent aussi sur les étiquettes. Elles correspondent à la situation valable au moment de l'impression de ce catalogue. D'éventuelles modifications seront prises en considération sur les nouvelles étiquettes. Les spécifications figurant sur l'étiquette sont déterminantes pour la qualité d'un produit.

Garantie

La garantie dépend de nos conditions générales de vente

Riedelbox-Système

Quantité commandée:	Quantité livrée:
1 à 4 emballages	quantité commandée
5 à 6 emballages	1 «Riedelbox», soit 6 emballages
1 à 2 emballages en plus de «Riedelbox» complets	diminution à des «Riedelbox» complets
3 à 5 emballages en plus de «Riedelbox» complets	augmentation à des «Riedelbox» complets

Dans le cas où ce système ne serait pas être demandé nous facturerions les prix correspondants des «Riedelbox» et des unités.

III. Qualifications

La gamme des produits chimiques pour laboratoire de Riedel-de Haën AG comprend des produits en différentes degrés de pureté, conformément aux exigences des domaines d'application respectifs:

1. PURANAL®

est la marque déposée pour les produits chimiques de haute pureté. L'examen de ces produits en vue de déterminer des impuretés résiduelles encore présentes de l'ordre du sup-ppm s'effectue suivant les méthodes analytiques les plus modernes pour oligoéléments. Les valeurs indiquées dans la garantie doivent être considérées comme valeurs maximales de ces traces d'impuretés. Les valeurs réelles sont souvent très sensiblement inférieures. Le domaine d'application principal de cette gamme est la fabrication des semi-conducteurs, mais les produits chimiques PURANAL trouvent aussi une vaste application dans l'analyse des oligo-éléments, la recherche et le développement.

2. Réactifs pour analyse

Les produits chimiques de ce degré de pureté répondent aux exigences des analystes. Les teneurs minimales («min.») ou maximales («max.») en traces d'impuretés indiquées dans les spécifications sont des valeurs garanties dont la stricte observation est surveillée par des contrôles analytiques approfondis et réguliers. Les réactifs répondant aux exigences de pureté de l'American Chemical Society, de l'International Organisation for Standardization ou de la partie concernant les réactifs de la pharmacopée allemande (comprenant la DAB 8 ainsi que les 3 volumes de la pharmacopée européenne) sont munis des références complémentaires «Reag. ACS», «Reag. ISO» ou «Reag. DAB 8» ou «Reag. Ph. Eur. I».

3. PESTANAL®

est la marque déposée pour les produits chimiques et pour les solvants utilisés pour l'analyse des résidus de pesticides. Ces solvants, ayant subi une purification très poussée, ne contiennent pas d'impuretés provoquant dans les plaques volumiques de rétention correspondantes des signaux plus grands que 5×10^{-10}% ou 5 ng/l de pentachlorobenzène, d'α-HCH, d'aldrine ou de DDT.

4. Les produits chimiques SPECTRANAL®

sont des solvants et des produits pour spectroscopie. Les perméabilités minimales de ces produits obtenues par application de procédés spéciaux de purification dépassent en partie considérablement celles garanties chez les solvants CHROMASOLV® correspondants.

5. Les solvants CHROMASOLV®

pour chromatographie en phase liquide ont des perméabilités garanties pour certaines longueurs d'onde. Ils conviennent aux séparations analytiques et aux séparations en vue de préparer des produits se basant sur la chromatographie sur colonne, en couches minces ou en phase liquide sous haute pression.

6. Les produits chimiques PROSYNTH®

sont en premier lieu des produits destinés à la synthèse organique en laboratoire, en atelier-pilote et en atelier. Cette gamme répond aux desiderata de l'organicien souhaitant disposer d'un éventail aussi large que possible d'éléments de synthèse. Il faut souligner particulièrement le grand choix des produits chimiques bromés et fluorés en partie difficiles à obtenir. La pureté de ces produits est caractérisée par leur analyse indiquant la teneur ainsi que quelques données physiques.

Un certain nombre de produits chimiques sont caractérisés par une marque ou par l'indication du domaine d'application spécial. C'est ainsi que les qualifications telles que BIOSYNTH®, FIXANAL®, IDRANAL® ou pour chromatographie, pour microscopie, pour scintillation, pour analyse par extraction, pour indicateur, pour catalyseur d'hydrogénation sont affectées aux produits correspondants.

IV. Désignation des risques particuliers et conseils de sécurité lors de la manipulation de produits chimiques

Au sein des états membres de la Communauté économique européenne, certaines substances dangereuses doivent être marquées selon les directives de la Commission de la Communauté avec des symboles de risque, des indications particulières de risque (article de risques) (R) et des conseils de sécurité (article de sécurité) (S). Outre le mode d'emploi sur les étiquettes des produits, notre catalogue indiquera pour ces produits chimiques les symboles de risques ainsi que les numéros des articles de risque et de sécurité correspondants. Le texte, correspondant au numéro et devant être observé lors de la manipulation des substances, est consigné ci-après.

Outre les substances indiquées dans les listes de l'ordonnance, nous avons englobé dans cette méthode de marquage d'autres produits chimiques dotées également de propriétés dangereuses selon leur nature et quantité ainsi que d'après le stade actuel de nos connaissances. L'absence d'une indication d'article de risque ou de sécurité ne veut toutefois pas dire que ces substances ne soient pas dangereuses. Il faut toujours observer les mesures de précaution et de sécurité habituelles pour la manipulation des produits chimiques.

Désignation des risques particuliers (R)

R 1	Explosif à l'état sec.
R 2	Risque d'explosion par choc, friction, feu ou autres sources d'ignition.
R 3	Grand risque d'explosion par choc, friction, feu ou autres sources d'ignition.
R 4	Forme des composés métalliques explosifs très sensibles.
R 5	Danger d'explosion sous l'action de la chaleur.
R 6	Danger d'explosion en contact ou sans contact avec l'air.
R 7	Peut provoquer un incendie.
R 8	Favorise l'inflammation des matières combustibles.
R 9	Peut exploser en mélange avec des matières combustibles.
R 10	Inflammable.
R 11	Très inflammable.
R 12	Extrêmement inflammable.
R 13	Gaz liquéfié extrêmement inflammable.
R 14	Réagit violemment au contact de l'eau.
R 15	Au contact de l'eau dégage des gaz très inflammables.
R 16	Peut exploser en mélange avec des substances comburantes.
R 17	Spontanément inflammable à l'air.
R 18	Lors de l'utilisation, formation possible de mélange vapeur-air inflammable/explosif.
R 19	Peut former des peroxydes explosifs.
R 20	Nocif par inhalation.
R 21	Nocif par contact avec la peau.
R 22	Nocif en cas d'ingestion.
R 23	Toxique par inhalation.
R 24	Toxique par contact avec la peau.
R 25	Toxique en cas d'ingestion.
R 26	Très toxique par inhalation.
R 27	Très toxique par contact avec la peau.
R 28	Très toxique en cas d'ingestion.
R 29	Au contact de l'eau, dégage des gaz toxiques.
R 30	Peut devenir très inflammable pendant l'utilisation.
R 31	Au contact d'un acide dégage un gaz toxique.
R 32	Au contact d'un acide dégage un gaz très toxique.
R 33	Danger d'effets cumulatifs.
R 34	Provoque des brûlures.
R 35	Provoque de graves brûlures.
R 36	Irritant pour les yeux.
R 37	Irritant pour les voix respiratoires.
R 38	Irritant pour la peau.
R 39	Danger d'effets irréversibles très graves.
R 40	Possibilité d'effets irréversibles.
R 42	Peut entrainer une sensibilisation par inhalation.
R 43	Peut entrainer une sensibilisation par contact avec la peau.

Combinaisons de phrases R

R 14/15	Réagit violemment au contact de l'eau en dégageant des gaz très inflammables.
R 15/29	Au contact de l'eau dégage des gaz toxiques et très inflammables.
R 20/21	Nocif par inhalation et par contact avec la peau.
R 21/22	Nocif par contact avec la peau et par ingestion.
R 20/22	Nocif par inhalation et ingestion.
R 20/21/22	Nocif par inhalation, contact avec la peau et par ingestion.
R 23/24	Toxique par inhalation et par contact avec la peau.
R 24/25	Toxique par contact avec la peau et par ingestion.
R 23/25	Toxique par inhalation et ingestion.
R 24/24/25	Toxique par inhalation, contact avec la peau et par ingestion.
R 26/27	Très toxique par inhalation et par contact avec la peau.
R 27/28	Très toxique par contact avec la peau et par ingestion.
R 26/28	Très toxique par inhalation et ingestion.
R 26/27/28	Très toxique par inhalation, contact avec la peau et par ingestion.
R 36/37	Irritant pour les yeux et les voies respiratoires.
R 37/38	Irritant pour les voies respiratoires et la peau.
R 36/38	Irritant pour les yeux et la peau.
R 36/37/38	Irritant pour les yeux, les voies respiratoires et la peau.
R 42/43	Peut entrainer une sensibilisation par inhalation et contact avec la peau.

Conseils de sécurite (S)

S 1	Conserver sous clé.
S 2	Conserver hors de portée des enfants.
S 3	Conserver dans un endroit frais.
S 4	Conserver à l'écart de tout local d'habitation.
S 5	Conserver sous eau.
S 5a	Conserver sous paraffin huile.
S 5b	Conserver sous pétrole.

S 6 Conserver sous . . . (gaz inerte à spécifier par le fabricant).
S 7 Conserver le récipient bien fermé.
S 8 Conserver le récipient à l'abri de l'humidité.
S 9 Conserver le récipient dans un endroit bien ventilé.
S 10 Maintenir le produit humide.
S 11 Éviter le contact avec l'air.
S 12 Ne pas fermer hermétiquement le récipient.
S 13 Conserver à l'écart des aliments et boissons y compris ceux pour animaux.
S 14 Conserver à l'écart de très substances inflammables.
S 15 Conserver à l'écart de la chaleur.
S 16 Conserver à l'écart de toute source d'ignition – Ne pas fumer.
S 17 Tenir à l'écart des matières combustibles.
S 18 Manipuler et ouvrir le récipient avec prudence.
S 20 Ne pas manger et ne pas boire pendant l'utilisation.
S 21 Ne pas fumer pendant l'utilisation.
S 22 Ne pas respirer les poussières.
S 23 Ne pas respirer les fumées.
S 24 Éviter le contact avec la peau.
S 25 Éviter le contact avec les yeux.
S 26 En cas de contact avec les yeux, laver immédiatement et abondamment avec de l'eau et consulter un spécialiste.
S 27 Enlever immédiatement tout vêtement souillé ou éclaboussé.
S 28 Après contact avec la peau, se laver immédiatement et abondamment avec de l'eau.
S 28a Après contact avec la peau, se laver immédiatement et abondamment avec solution á 2 % de sulfate de cuivre.
S 29 Ne pas jeter les résidus à l'égout.
S 30 Ne jamais verser de l'eau dans ce produit.
S 31 Tenir à l'écart des matières explosibles.
S 33 Éviter l'accumulation de charges électrostatiques.
S 34 Éviter le choc et le frottement.
S 35 Ne se débarrasser de ce produit et de son récipient qu'en prenant toute précaution d'usage.
S 36 Porter un vêtement de protection approprié.
S 37 Porter des gants de protection appropriés.
S 38 En cas de ventilation insuffisante porter un appareil respiratoire approprié.
S 39 Porter un appareil de protection des yeux/du visage.
S 40 Pour nettoyer le sol ou les objets souillés par ce produit, utiliser . . . (à préciser par le fabricant).
S 41 En cas d'incendie et/ou d'explosion ne pas respirer les fumées.
S 42 Pendant les fumigations/pulvérisations porter un appareil respiratoire approprié.
S 43 En cas d'incendie utiliser de l'eau.
S 43a En cas d'incendie utiliser du sable.
S 44 En cas de malaise consulter un médecin (si possible lui montrer l'étiquette).
S 45 En cas d'accident ou de malaise consulter immédiatement un médecin (si possible lui montrer l'étiquette).

Combinaisons de phrases S

S 1/2 Conserver sous clé et hors de portée des enfants.
S 3/9 Conserver dans un endroit frais et bien ventilé.
S 7/9 Conserver le récipient bien fermé dans un endroit bien ventilé.
S 7/8 Conserver le récipient bien fermé et à l'abri de l'humidité.
S 20/21 Ne pas manger, ne pas boire et ne pas fumer pendant l'utilisation.
S 24/25 Éviter le contact avec la peau et les yeux.
S 36/37 Porter un vêtement de protection et des gants appropriés.
S 36/39 Porter un vêtement de protection approprié et un appareil de protection des yeux/du visage.
S 37/39 Porter des gants appropriés et un appareil de protection des yeux/du visage.
S 36/37/39 Porter un vêtement de protection approprié, des gants et un appareil de protection des yeux/du visage.

Symboles de risque et indications de risques

E

Explosibles

O

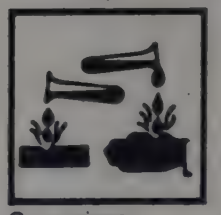
Comburantes

T

Toxiques

F

Inflammables

C

Corrosives

Xn

Nocives

XI

Irritantes

V. Conseils pour l'élimination de petites quantités de produits chimiques de laboratoire

Alors que les grosses quantités de produits chimiques, dont on n'a plus besoin, doivent être traitées conformément aux prescriptions de la loi sur l'élimination des déchets, les petites quantités résiduelles de produits chimiques de laboratoire peuvent éventuellement être transformées au moyen de réactions chimiques simples en composés non polluants et non nocifs. Selon leur propriété chimique – par exemple par neutralisation, oxydation ou réduction – elles doivent être modifiées de telle manière que les produits obtenus ne provoquent pas, dans les eaux usées ou sur une décharge normale, de risques pour la santé ou l'environnement.

Les méthodes de travail consignées ci-après indiquent la manière d'éliminer de petites quantités de laboratoire par les soins du personnel spécialisé. Nous ne pouvons pas nous charger de la responsabilité de leur application. Des conditions locales ou des ordonnances officielles peuvent en effet exclure l'application de l'une ou de l'autre méthode préconisée.

Les réactions chimiques données à titre d'exemple valent chaque fois pour un groupe défini de produits chimiques. Elles ne tiennent donc pas compte de propriétés spécifiques de certaines substances. De ce point de vue, nos conseils ne peuvent qu'être sans engagement et ils impliquent de plus que la réaction désirée soit complètement réalisée, qu'elle soit contrôlée et evaluée avant que les produits obtenus ne parviennent dans les eaux usées ou les déchets.

En ce qui concerne la réalisation des travaux, nous prenons référence également sur les prescriptions de prévention d'accidents et les notices à l'appui de la Confédération professionnelle de l'industrie chimique ainsi sur les indications de risque et les conseils de sécurité suivant l'ordonnance sur les substances dangereuses, et les directives de la Communauté européenne, également mentionnées dans ce catalogue.

Exemples de méthodes d'élimination

1. **Acides minéraux et solutions acides:** les diluer d'abord avec de l'eau et les neutraliser (pH 6 à 8) ensuite lentement par addition de lessive de soude (nº d'article 05211). Après une autre dilution éventuelle, la solution saline ainsi obtenue peut être incorporée aux eaux usées. Observer la concentration maximale admissible!

   Les acides renversés sont saupoudrés de poudre d'hydroxyde de calcium et ou de bicarbonate de sodium (article nº 12038 et 13433). Une fois la réaction terminée, on peut tout ramasser avec un linge humide et rincer ensuite avec beaucoup d'eau.

2. **Les sels à réaction acide** en solution aqueuse sont, le cas échéant, d'abord mélangés à de la poudre de bicarbonate de sodium ou de carbonate de sodium (article nº 13433 et 13149), dissous dans beaucoup d'eau et évacués avec les eaux usées après avoir été neutralisés. Observer la concentration maximale admissible!

3. **Les hydroxydes inorganiques, solubles dans l'eau, les lessives et les bases organiques** sont lentement neutralisés avec de l'acide sulfurique dilué (article nº 07208) et évacués sous forme de solution saline (pH 6 à 8) diluée à l'eau, avec les eaux résiduelles. Observer la concentration maximale admissible!

   Des lessives alcalines renversées et des liquides à réaction alcaline peuvent être saupoudrées abondamment avec de la poudre de bisulfate de sodium (article nº 13437), puis ramassées avec un linge humide et rincées à grande eau.

4. **Les sels basiques** sont, le cas échéant, d'abord mélangés à du bisulfate de sodium solide (article nº 13437), dissous dans l'eau et évacués avec les eaux résiduelles sous forme de solution diluée et neutralisée (pH 6 à 8).

5. **Les composées organiques très volatils** peuvent s'évaporer par petites quantités dans de bonnes conditions d'aspiration ou à l'air libre. Eviter la formation de mélanges combustibles vapeur/air. Se tenir à l'écart de flammes nues ou autres sources d'inflammation.

6. Les liquides combustibles, comme les **hydrocarbures, alcools, éthers et cétones** doivent être détruits dans une installation d'incinération avec post-combustion.

   De petites quantités, par exemple aussi restants de solvant, peuvent être absorbées avec du papier filtre ou autre substance absorbante combustible et être brûlées à l'air dans un récipient ouvert ou évaporées (cf. méthode 5).

   Pour ces composés, il faudrait éventuellement penser à un retraitement en vue de récupération, par exemple selon la méthode 13.

7. **Les composés halogénés organiques combustibles** sont mélangés à de la poudre de carbonate de sodium et/ou d'hydroxyde de calcium (article nº 13419 et 12038) puis incinérés. Les halogénures organiques liquides devraient d'abord être ramassés à l'aide de substances absorbantes, saupoudrés de poudre d'hydroxyde de calcium et incinérés ensuite.

8. Ces substances relativement inoffensives peuvent être évacuées avec les eaux résiduelles après avoir été diluées avec beaucoup d'eau. Observer la concentration maximale admissible.

9. Ces substances dangereuses et ne réagissant que difficilement doivent être déposées sur une décharge spéciale.

10. Même de petites quantités de ces produits chimiques hautement toxiques ne peuvent être éliminées de manière simple et doivent donc être déposées sur une décharge pour matières toxiques bien aménagée ou être recupérées après avoir été individuellement collectées.

11. C'est avec des précautions particulières, derrière un écran de sécurité ou dans une hotte de laboratoire, que ces composés, par exemple halogénures minéraux liquides, doivent être ajoutés à un mélange de carbonate de sodium et d'hydroxyde de calcium (article nº 13419 et 12038). Une fois la réaction terminée, le mélange est additionné avec précaution de beaucoup d'eau et évacué avec les eaux résiduelles après neutralisation.

12. Ces substances sont lentement versées sur de la glace dans la hotte de laboratoire et neutralisées. Après dilution, le mélange peut être évacué avec les eaux résiduelles.

13. Dans le cas de ces liquides qui forment la plupart du temps des vapeurs toxiques, on devrait essayer un nettoyage et une récupération par exemple par distillation. Sinon, on peut également procéder à l'élimination suivant les méthodes 5, 6 ou 7.

14. Les aldéhydes sont recouvertes de sulfite de sodium (article nº 13471) et mélangées d'abord avec un peu d'eau. Une fois la réaction terminée, le produit est mélangé avec beaucoup d'eau et évacué avec les eaux résiduelles. Le cas échéant, on peut également procéder à une évaporation réalisée avec soin ou à une incinération dans la hotte de laboratoire (cf. méthodes 5 et 6).

15. Pour l'oxydation de nitrile ou de mercaptane, on utilise une solution aqueuse d'au maximum 15% de chaux chlorée (article nº 12103). La réaction doit être intensifiée par une agitation prolongée. Neutraliser ensuite le mélange et l'évacuer à l'état dilué avec les eaux résiduelles.

16. Les composées oxydants et favorisant la combustion sont bien mélangés avec des agents de réduction solides, tels le thiosulfate de sodium ou le sulfite de sodium (articles nº 23481 et 13471). On ajoute alors un peu d'eau sous agitation. Le cas échéant, accélérer la réaction en ajoutant avec précaution de l'acide sulfurique dilué (article nº 07208). Après neutralisation, le liquide peut être évacué par rinçage dans la canalisation avec beaucoup d'eau.

17. Les métallacides ou composés azoïques doivent être oxydés sur glace avec une solution diluée de nitrate d'ammonium cer (IV) (article nº 31823). Une fois la réaction terminée, séparer éventuellement la phase organique et l'incinérer. Le reste peut être évacué avec les eaux résiduelles, une fois dilué dans beaucoup d'eau.

18. Les substances dissoutes dans des solvants organiques sont éliminées par addition d'alcool pour augmenter la combustibilité, comme décrit pour les méthodes 6 et 7.

19. Les amines peuvent être neutralisées suivant la méthode 3 ou être incinérées selon les méthodes 6 et 7.

20. Ces composés ne doivent être incinérés en petites quantités qu'avec des mesures de précaution particulière ou on peut les laisser s'évaporer (cf. méthode 5). Par ailleurs, on peut les collecter séparément et les récupérer selon la méthode 13.

21. Les acides organiques et les halogénures acides peuvent par exemple être neutralisés selon les méthodes 1 ou 2 ou incinérés selon les méthodes 6 ou 7.

22. Les cyanures inorganiques sont traités avec de la lessive de soude (article nº 05211) et de la solution de chaux chlorée (article nº 12103). Après réaction prolongée, la solution de cyanate ainsi formée peut être diluée avec beaucoup d'eau et évacuée avec les eaux résiduelles.

23. Des composés halogénés organiques non combustibles doivent être collectés et récupérés par distillation. Par ailleurs, ils peuvent également être incinérés par mélangage avec des solvants combustibles, selon la méthode 7.

24. A partir de ces composés, on devrait récupérer le métal ou le transférer dans des composés solubles dans l'eau. Les solutions préparées par exemple par addition d'acide sont neutralisées avec soin avec de l'eau ammoniaquée et le métal est alors précipité par addition d'agents de précipitation adéquats, tels hydroxyde, carbonate ou sulfate. Le précipité est lavé, filtré et séché en vue de son traitement ou de sa déposition sur une décharge spéciale.

    De petites quantités peuvent être évacuées à l'état dilué avec les eaux résiduelles (cf. également méthode 26).

25. Des restes de composés radioactifs doivent être collectés avec soin séparément d'autres déchets et être déposés sur une décharge spéciale ou être retraités.

26. Pour récupérer le métal, le sel est dilué dans l'acide chlorhydrique (article nº 07104) et la solution diluée éventuellement neutralisée est saturée dans la hotte avec de l'hydrogène sulfuré, pour précipiter les sulfures métalliques. Le précipité est lavé et séché pour être retraité ou déposé sur une décharge spéciale (cf. également méthode 24).

27. Même des quantités relativement réduites d'acide fluorhydrique ou de composés fluorés inorganiques sont traités à la poudre d'hydroxyde de calcium (article nº 12038) ou avec du lait de chaux pour précipiter le fluorure de calcium insoluble à partir de la solution aqueuse. Le précipité lavé et séché peut être déposé sur des décharges normales. Les solutions doivent être éventuellement traitées selon la méthode 24.

28. Les métaux alcalins et alcalino-terreux ainsi que certains composés métallo-organiques sont d'abord recouverts à l'état sec avec du carbonate de sodium exempt d'eau (article nº 14319) et mélangés. On peut ensuite ajouter dans la hotte et lentement du butanol (article nº 24124), en excluant les sources d'inflammation. Une fois la réaction terminée, le lendemain, on dilue avec précaution et beaucoup d'eau, puis on évacue avec les eaux résiduelles, après neutralisation.

29. Pour l'oxydation du phosphore et des phosphures métalliques, on utilise des solutions diluées par exemple de chaux chlorée (article nº 12103) et de lessive de soude (article nº 05211). La manipulation de ces substances et produits réactifs, en partie facilement inflammables, doit se faire sous azote dans la hotte de laboratoire. Les substances sont incorporées en petites quantités dans la solution d'oxydation bien refroidie.

    Les produits de réaction qui se séparent, et même s'ils sont toxiques, peuvent être incinérés suivant la méthode 7.

VI. Abréviations et explications des signes conventionnels

B.T.N. = Numéro de tarif de douane de Bruxelles
A. = ampoule, tube en verre
AL./ALU = bidon aluminium
BA. = tourie en verre
BL. = boîte ou bidon fer-blanc
BLT. = fût
EKL. = bidon en fer-blanc, léger
EKS. = bidon en fer-blanc, lourd
F. = fût en fer
FL. = flacon en verre à goulot étroit.
FPD. = fût en plastique
FPF. = fût en plastique
FTP. = fût en carton
K. = carton
KA. = bidon en fer-blanc
PF. = flacon en plastique
PKM. = container en plastique
S. = sac
SF. = cylindre d'acier
STP. = tambour
TS. = tourie blindée
WG. = flacon en verre à large goulot
ZK. = bidon en zinc
pack = par unité
kg = kilogramme
g = gramme
mg = milligramme
ml = millilitre
L = litre
D_4^{20} = densité
R.G. = pour analyses
GC = chromatographie en phase gazeuse
ε = coefficient d'extinction molarire
n = indice de réfraction
$[\alpha]_D^{20}$ = rotation spécifique
nm = nanomètre
C.I.No. = Colour-Index, 2e édition 1956
S.No. = Tableau de colorants de Schultz, 7e édition
® = marque déposée (l'absence du signe ne signifie pas que la marque soit libre) «Cette brochure est une traduction de l'allemand et la référence aux marques commerciales par® signifie que celles-ci sont enregistrées dans un ou plusieurs pays»
1 L ≈. . . kg = Les indications des poids «1 L ≈ . . . kg» servent pour la gouverne, elles ne représentent pas de valeurs scientifiques.
† = l'emballage sera supprimé après épuisement du stock

Les chiffres mentionnés au-dessous des numéros d'articles indiquent la catégorie de danger avec chiffre ou numéro UN (*= assimilé) y compris la mention du groupe d'emballage des instructions de transport suivantes:

A) RID/ADR = Règlement international concernant le transport des marchandises dangereuses par chemin de fer/Accord européen relatif au transport international des marchandises dangereuses par route
B) GGVE/GGVS = Gefahrgutverordnung Eisenbahn/Straße
C) IMDG-CODE (GGVSee) = International maritime dangerous goods code (Gefahrgutverordnung See)

Catégorie 1 = matières explosives
Catégorie 2 = gaz comprimés, liquéfiés ou dissous sous pression
Catégorie 3 = matières liquides inflammables
Catégorie 4.1 = matières solides inflammables
Catégorie 4.2 = matières auto-inflammables
Catégorie 4.3 = matières qui, en contact avec l'eau, dégagent des gaz inflammables
Catégorie 5.1 = matières à action inflammable (oxydante)
Catégorie 5.2 = peroxides organiques
Catégorie 6.1 = matières toxiques
Catégorie 7 = matières radioactives
Catégorie 8 = matières caustiques
Catégorie 9 = différentes matières dangereuses

Indication d'autorisation spéciale (AG)

AG 521, **AG 38/78** } Produit dispensé des Instructions de transport

Les points d'éclair indiqués sont en partie des valeurs bibliographiques. En cas de classification coïncidante d'une matière selon RID/ADR et GGVE/GGVS, elle ne figure que sous «A».

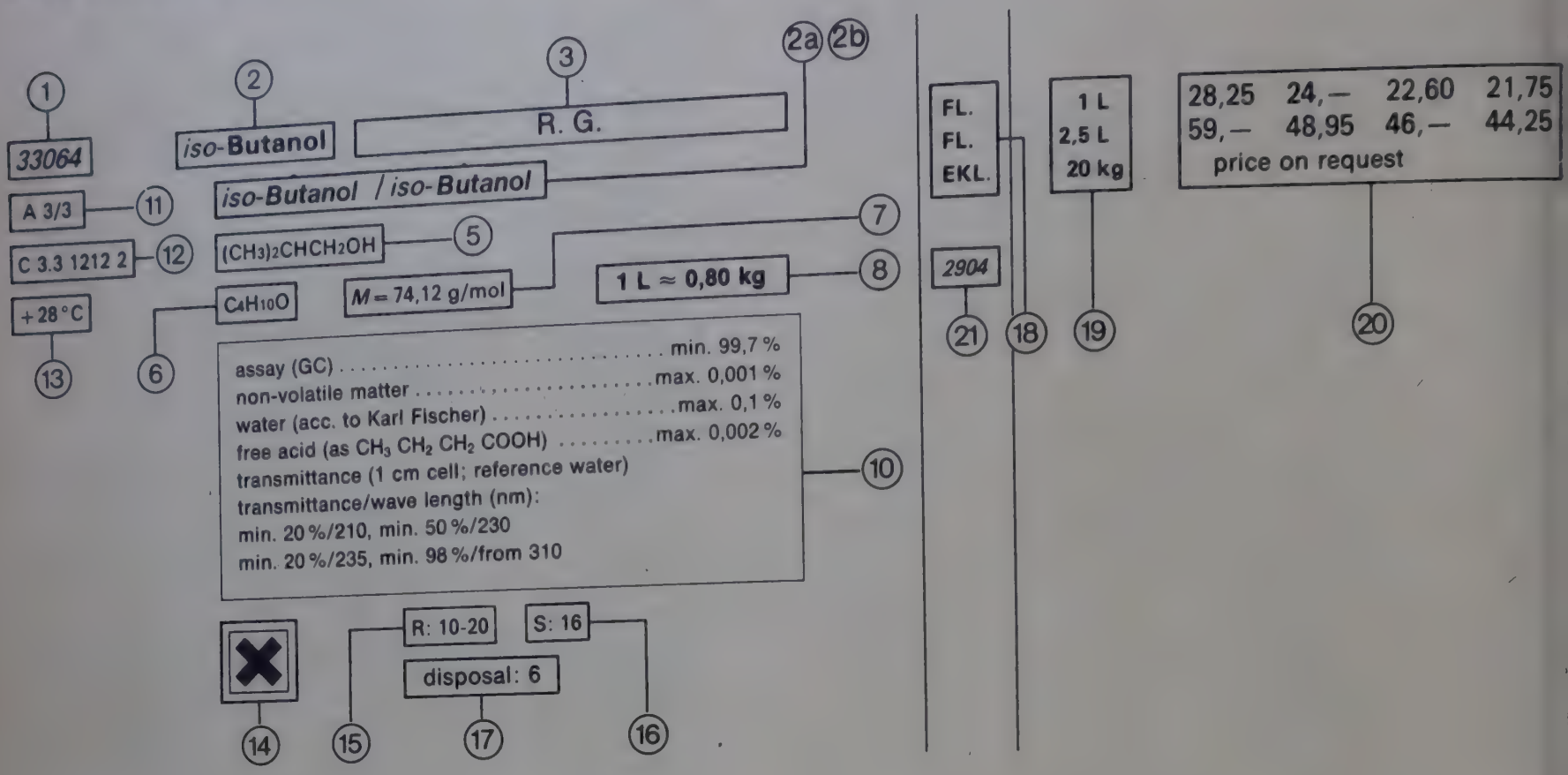
Les marchandises dangereuses sont exclues systématiquement de l'expédition par voie postale.

Pharmacopées

DAB = Deutsches Arzneibuch
DAC = Deutscher Arzneimittel Codex
Erg.B. = Ergänzungsbuch zum Deutschen Arzneibuch
B.P. = British Pharmacopoeia
B.P.C. = British Pharmaceutical Codex
Cod.Franç. = Codex Français
N.F. = The National Formulary
ÖAB = Österreichisches Arzneibuch
Ph.Belg. = Pharmacopée Belge
Ph.Eur.I = European Pharmacopoeia, Vol. I, II, III
Ph.Franç. = Pharmacopée Française
Ph.Ned. = Pharm. Nederlandica
Ph.Nord. = Pharm. Nordica
U.S.P. = United States Pharmacopoeia

Ces informations correspondent au niveau actuel de nos connaissances et n'ont d'autre but que de vous renseigner sur nos produits et leurs possibilités d'application. Elles ne sauraient en aucun cas garantir que nos produits possèdent telle ou telle propriété ou conviennent à une application déterminée. Il appartient à l'utilisateur de s'assurer des droits de propriété industrielle éventuellement existants. La qualité de nos produits est garantie dans le cadre de nos Conditions Générales de Vente.

Légende se rapportant au texte sur les produits



1. N° de produit
2. Nom du produit, 2 a Francés, 2 b Español
3. Description du programme: caractéristiques qualificatives de nature générale; indication du domaine d'application; présentation; stabilisants
5. Formule linéaire
6. Formule globale
7. Masse molaire
8. Masse d'un litre pour les liquides (valeur approximative)
10. Spécifications
11. Catégorie de danger
12. Catégorie de danger Code IMDG (GGVSee), N° UN et groupe d'emballage
13. Point
14. Symbole de risque (ordonnance sur les substances dangereuses)
15. Indications des risques (article de risques)
16. Caractéristiques de sécurité (article de sécurité)
17. Conseils d'élimination pour petites quantités
18. Nature de l'emballage (abréviation)
19. Dimensions de l'emballage
20. Echelonnement des prix
21. BTN (numéro douanier de Bruxelles)

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I. Condiciones generales de venta/exportación

La presente lista de precios está destinada a la clientela de Riedel-de Haën. Los precios que figuran en la misma son exclusivamente los que nuestra empresa factura a sus clientes, no siendo vinculantes en modo alguno cuando éstos revendan, previo acuerdo, las mercancías que les suministramos. Nuestra lista tampoco contiene ninguna recomendación al respecto.

1. Condiciones aplicables

Las condiciones indicadas a continuación son válidas, a menos que Riedel-de Haën haya establecido condiciones especiales de venta para el país del comprador y las haya remitido a éste, en cuyo caso tendrán preferencia.

Las condiciones generales de compra del comprador no serán vinculantes para Riedel-de Haën más que si las hubiese aceptado por escrito.

2. Ofertas y pedidos

Todas las ofertas de Riedel-de Haën están sujetas a confirmación. Los pedidos y los acuerdos orales sólo serán vinculantes para Riedel-de Haën hasta el punto en que los haya aceptado por escrito o cumplimentado remitiendo la mercancía y la correspondiente factura.

El valor mínimo neto aceptado por Riedel-de Haën es de DM 1500,– por pedido y remesa, incluyendo embalajes, fletes franco frontera de la República Federal de Alemania o fob Bremen, Hamburgo o Lübeck. Los pedidos por valor inferior al indicado no pueden atenderse por motivos de racionalización.

La indicación "como anteriormente" no es vinculante para Riedel-de Haën, no pudiendo referirse ni a la calidad ni al precio.

Los productos de los que existan varias calidades según la lista de Riedel-de Haën, deberán especificarse exactamente en el pedido.

3. Facturación y pago

Riedel-de Haën está facultada para modificar sus precios hasta 30 días antes del plazo de suministro acordado. En caso de aumento, el comprador podrá volverse atrás de la parte no ejecutada del contrato dentro de los 14 días siguientes a habérselo comunicado. Este derecho no puede aplicarse cuando el aumento tenga por causa una subida de los fletes. Como base para la facturación, se tomará el peso original. Irán a cargo del comprador los gastos suplementarios, p. ej. los gastos bancarios resultantes de la transferencia del importe de la factura, así como los percibidos al retirar la documentación de embarque.

Frente a las demandas de Riedel-de Haën, el comprador sólo podrá anotar en cuenta de compensación o hacer valer su derecho de retención cuando sus argumentos sean incontrovertibles o hayan sido legalmente comprobados.

En caso de retrasos en el pago, así como cuando existan dudas fundadas acerca de la solvencia del comprador, Riedel-de Haën está facultada – sin perjuicio de sus restantes derechos – para exigir el pago por adelantado de los suministros todavía no realizados y el inmediato cumplimiento de todos los derechos dimanantes de la relación comercial establecida.

4. Suministro y aceptación

La obligación de suministro por parte de Riedel-de Haën quedará en suspenso en tanto el comprador se retrase en abonar los pagos vencidos. Los plazos de suministro acordados se referirán al momento en que los riesgos pasen al comprador. En caso de demora culpable en el suministro, el comprador podrá volverse atrás del contrato o reclamar daños y perjuicios cuando haya transcurrido el plazo suplementario prudencial que haya establecido por escrito, sin que le asista ningún otro derecho. Sin embargo, las reclamaciones de daños y perjuicios por parte del comprador, debidas a retraso o incumplimiento, se limitarán al importe facturado de la mercancía dejada de suministrar o no suministrada dentro del plazo acordado, a menos que Riedel-de Haën responda ilimitadamente por culpa lata según prescripciones legales obligatorias.

Las perturbaciones imprevistas en la marcha de la fabricación, el incumplimiento de los plazos de suministro acordados, la falta de suministro por parte de los proveedores de Riedel-de Haën, la falta de personal, de energías o de materias primas, las huelgas, los cierres patronales, las dificultades en la contratación de medios de transporte, las perturbaciones del tráfico, las disposiciones oficiales y los casos de fuerza mayor eximen, durante la duración de los mismos y en proporción a sus efectos, a la parte afectada de la obligación de suministrar o aceptar. Si, a causa de ello, el suministro o la aceptación se demorasen más de un mes, ambas partes están facultadas para volverse atrás del contrato por la cantidad que no haya podido ser suministrada o aceptada, renunciando a cualquier otra reclamación.

5. Envío

La forma y el trayecto de envío los eligirá Riedel-de Haën, atendiendo en lo posible los deseos del comprador. Los gastos suplementarios a que ello dé lugar irán a cargo del comprador.

6. Aceptación de riesgos

Siempre que no se acuerde otra cosa, los riesgos serán traspasados definitivamente al comprador cuando la mercancía se remita o – si el comprador se retrasase en aceptarla – quede a punto de remitir por parte de Riedel-de Haën.

7. Reclamaciones

El comprador verificará si la mercanciá suministrada se ajusta a la calidad acordada y la aplicación prevista. Si omitiese este trámite, no lo realizase en la envergadura necesaria o no denunciase inmediatamente (a más tardar dentro de los 14-días siguientes a haber recibido la mercancía) a Riedel-de Haën los defectos detectados, la mercancía se considerará aceptada en todos los aspectos. Los defectos indetectables se considerarán aceptados si no se denuncian a Riedel-de Haën inmediatamente después de haber sido descubiertos o 6 meses a lo sumo después de haberse suministrado la mercancía. Las reclamaciones so formularán por escrito, indicando los datos de pedido y los números de la factura y de la remesa. La mercancía objeto de la reclamación sólo se devolverá previa conformidad expresa de Riedel-de Haën.

En caso de reclamaciones debidamente formuladas y justificadas, Riedel-de Haën podrá optar, teniendo en cuenta los intereses del comprador, por conceder una bonificación, subsanar, sustituir o aceptar la devolución de la mercancía, reintegrando su valor. Si Riedel-de Haën dejase de cumplir este compromiso, el comprador podrá elegir entre las posibilidades indicadas, no teniendo otros derechos que los que le correspondan legalmente. Esto reza especialmente para la reparación por daños no sufridos directamente por la mercancía.

8. Responsabilidad, renuncias

El comprador sólo podrá reclamar daños y perjuicios, o volverse atrás del contrato, en aquellos casos a y hasta el extremo en que lo dispongan expresamente las presentes Condiciones de Venta, quedando excluida cualquier otra responsabilidad por parte de Riedel-de Haën – independientemente de cual fuere el fundamento legal, incluso por incumplimiento de obligaciones secundarias estipuladas contractualmente y actos ilícitos –, a menos que responda ilimitadamente por culpa lata según precripciones legales obligatorias.

9. Reserva de propiedad

Las mercancías no pasarán a ser propiedad del comprador hasta que éste haya cumplido con todas las obligaciones derivadas de las relaciones comerciales mutuas. El comprador queda obligado a prestar su cooperación en todas las medidas que adopte Riedel-de Haën para proteger sus derechos sobre la mercancía suministrada, informando inmediatamente a ésta acerca de las pretensiones de terceros sobre la misma.

10. Marcas registradas

Cuando se transvasen, transformen, mezclen con otras sustancias, etc. los productos que ostenten una marca registrada, ésta no podrá aplicarse a los productos derivados, salvo previa conformidad expresa por escrito del titular de la misma.

11. Envases

Los tambores y otros envases no recuperables no podrán aprovecharse para el tráfico comercial más que después de haber adoptado las medidas oportunas para que resulten irreconocibles los símbolos, el nombre, las marcas registradas y las denominaciones de Riedel-de Haën. El usuario deberá tener en cuenta, bajo su propia responsabilidad, las normas existentes para los mismos. Para los envases de más de 5 kg/l rigen las condiciones adicionales de Riedel-de Haën.

12. Incoterms

Sirven de complemento a estas disposiciones las „Incoterms", editadas por la Cámara Internacional de Comercio de París, en su edición vigente en el momento de cumplimentar el pedido.

13. Legislación aplicable y jurisdicción competente

A todos los contratos de venta, se aplicará la legislación vigente en el lugar en que se halla enclavada la sede principal de Riedel-de Haën. Cuando no existan obstáculos legales, se considerará jurisdicción competente la de la sede de Riedel-de Haën, así como los tribunales de la localidad del comprador para las acciones judiciales de Riedel-de Haën.

Septembre de 1980

II. Aclaraciones

Datos analíticos

La pureza de los productos químicos para análisis y de las calidades especiales de Riedel-de Haën se describe en las especificaciones a través de datos-contenidos mínimos ("min.") y máximos ("máx.") – analíticos.

Para los demás productos (químicamente puros y de síntesis, etc.) se indican análisis tipo (contenidos sin "mín." o "máx."). Los datos que figuran en estas especificaciones son los valores medios obtenidos al analizar las diferentes partidas.

Calidades farmacéuticas

Cuando el nombre de los productos vá acompañado de la indicación de una farmacopea, ello significa que se ajusta a las especificaciones de la misma. Tales productos contienen frecuentemente menos impurezas que las que permiten las correspondientes farmacopeas, en cuyo caso figuran en las especificaciones valores característicos para las mismas. El control de pureza realizado por Riedel-de Haën no exime al comprador o al transformador de atenerse a las correspondientes leyes farmacéuticas. Especialmente en la fabricación de soluciones inyectables y para infusiones, deberán tenerse en cuenta las normas farmacéuticas en cuanto a preparación esterilización y ensayo de pirógenos.

Etiquetas

Los datos analíticos figuran en las etiquetas, correspondiendo al estado actual en el momento de imprimirse el presente catálogo. Las modificaciones se tienen en cuenta mediante nuevas etiquetas. Para la calidad de un producto resultan vinculantes las especificaciones anotadas en la etiqueta.

Garantía

Para la garantía son vinculantes nuestras Condiciones Generales de Venta.

Riedelbox-Sistema

Para un pedido de:	Suministro
a) menos de 1 "Riedelbox"	
1. hasta 4 envases	cantidad solicitada
2. 5–6 envases	1 "Riedelbox" = 6 envases
b) más de 1 "Riedelbox"	
1. 1 ó 2 envases más	Se reduce la cantidad a un "Riedelbox" completo menos
2. 3–5 envases más	se eleva la cantidad a un "Riedelbox" completo más

En el caso de que no deseen se aplique este sistema, facturaremos acuerdo con los precios correspondientes al numero de 'Riedelbox" por articulo o bien a precios unitarios, en su caso.

Denominaciones de calidad

El surtido de productos químicos de laboratorio de Riedel de Haën AG contiene preparados en diversos grados de calidad, de acuerdo con las exigencias de los respectivos campos de aplicación:

1. PURANAL®

es la marca de fábrica para productos químicos de alta pureza. El análisis de estos productos sobre residuos de impurezas aún existentes, cuyos límites se sitúan por debajo de las ppm, tiene lugar por medio de los métodos más modernos de detección de trazas. Los valores de garantía para estas impurezas residuales deben considerarse como el límite superior. Los valores efectivos son considerablemente inferiores. El campo de aplicación principal para este surtido es la producción de semiconductores, pero también en la analítica de trazas y en la investigación y desarrollo está muy difundido el empleo de los productos químicos PURANAL®.

2. Reactivos para el análisis

Los productos químicos de este grado de pureza corresponden a las exigencias de los analistas. Los contenidos mínimos o las cantidades máximas de impurezas residuales indicados en las especificaciones son valores garantizados, cuyo mantenimiento se vigila mediante permanentes y minuciosos controles analíticos. Los reactivos que satisfacen las exigencias de pureza de la American Chemical Society, de la International Organization for Standardization o de la sección de reactivos de la Farmacopea Alemana (que abarca la DAB 8, así como los 3 tomos de la Farmacopea Europea), llevan la designación adicional "Reac. ACS", "Reac. ISO" o "Reac. DAB 8" o bien "Reac. Ph. Eur. I".

3. PESTANAL®

es la marca de fábrica para productos químicos y disolventes para el análisis residual de pesticidas. Estos disolventes de pureza extremadamente elevada no contiennen ninguna clase de impurezas que muestren en el cromatograma de gas (detección ECD), en los correspondientes volúmenes de retención, señales superiores a 5×10^{-10}% o 5 ng/litro de pentaclorobenceno, α-HCH, Aldrin o DDT.

4. Productos químicos SPECTRANAL®

son disolventes y preparados para la espectroscopia. Las permeabilidades mínimas logradas mediante procedimientos especiales de depuración de estos productos superan, en parte, considerablemente las garantizadas por los correspondientes disolventes CHROMASOLV®.

5. Disolventes CHROMASOLV®

para la cromatografía de líquidos tienen permeabilidades garantizadas en determinadas longitudes de onda. Son apropiados para las separaciones analíticas y preparativas en la cromatografía de columna, de capa fina y líquidos de alta presión.

6. Productos químicos PROSYNTH®

son, en primer lugar, preparados para la síntesis orgánica en el laboratorio, planta piloto y de producción. Este surtido cumple con el deseo de los expertos en la materia de disponer de una gama lo más extensa posible de elementos de síntesis. Es de notar especialmente la gran elección de productos químicos orgánicos del bromo y flúor, en parte, difícilmente accesibles. La pureza de estos productos se caracteriza en forma de un análisis tipo por la indicación del contenido, así como de algunos datos físicos.

Una serie de productos químicos está caracterizada por una marca o por la indicación del campo especial de aplicación. Así, pues, con los productos correspondientes se relacionan, por ejemplo, denominaciones de calidad como BIOSYNTH®, FIXANAL®, IDRANAL®, o para cromatografía, para microscopia, para escintilación, para análisis de extracción, indicador, catalizador de hidrogenación.

IV. Peligros especiales y precauciones aconsejables al manipular productos químicos

De acuerdo con las normas de la Comunidad Económica Europea, los estados miembros de la misma deben señalizar determinadas materias peligrosas con símbolos de peligrosidad, indicaciones especiales (normas R) y precauciones aconsejables (normas S). Además de en las etiquetas, en nuestro catálogo figuran los símbolos de peligrosidad, así como los números de las correspondientes normas R y S. Seguidamente indicamos el texto correspondiente a estas últimas, que debe tenerse en cuenta al manipular las sustancias.

Además de las materias que figuran en las correspondientes listas, hemos incluido otros productos que también poseen características peligrosas, según su categoría, cantidad y nuestra experiencia. El hecho de que no se aluda a las normas R y S, no supone ausencia de peligrosidad. En todos los casos, es necesario utilizar las medidas de protección y seguridad usuales en la manipulación de productos químicos.

Calificación de peligros especiales (normas R)

R 1	Explosivo en seco
R 2	Explosivo por impacto, frote, fuego u otras causas
R 3	Muy explosivo por impacto, frote, fuego u otras causas
R 4	Forma compuesto metálico muy sensible y explosivo
R 5	Explosivo, si se calienta
R 6	Explosivo, tanto con como sin aire
R 7	Puede provocar incendios
R 8	Peligro de incendio en contacto con materias combustibles
R 9	Peligro de explosión en mezcla con materias combustibles
R 10	Inflamable
R 11	Muy inflamable
R 12	Sumamente inflamable
R 13	Gas licuado sumamente inflamable
R 14	Reacciona enérgicamente con agua
R 15	Reacciona con agua, formando gases muy inflamables
R 16	Explosivo, en mezcla con sustancias promotoras de la combustión
R 17	Inflamable espontáneamente en contacto con el aire
R 18	Posible formación de mezclas explosivas a muy inflamables de vapor y aire al usarlo
R 19	Puede formar peróxidos explosivos
R 20	Perjudicial para la salud, si se inhala
R 21	Perjudicial para la salud, si entra en contacto con la piel
R 22	Perjudicial para la salud, si se ingiere
R 23	Tóxico, si se inhala
R 24	Tóxico, si entra en contacto con la piel
R 25	Tóxico, si se ingiere
R 26	Muy tóxico, si se inhala
R 27	Muy tóxico, si entra en contacto con la piel
R 28	Muy tóxico, si se ingiere
R 29	Desprende gases tóxicos en contacto con el agua
R 30	Puede resultar muy inflamable al usarlo
R 31	Desprende gases tóxicos en contacto con ácido
R 32	Desprende gases muy tóxicos en contacto con ácido
R 33	Peligro de efectos acumulativos
R 34	Provoca corrosiones
R 35	Provoca corrosiones graves
R 36	Irrita los ojos
R 37	Irrita los órganos respiratorios
R 38	Irrita la piel
R 39	Serio peligro de daños irreversibles
R 40	Riesgo de daños irreversibles
R 42	Riesgo de sensibilización, si se inhala
R 43	Riesgo de sensibilización, si entra en contacto con la piel

Combinación de las normas R

R 14/15	Reacciona enérgicamente con agua, formando gases muy inflamables
R 15/29	Reacciona con agua, formando gases tóxicos y muy inflamables
R 20/21	Perjudicial para la salud, si se inhala y entra en contacto con la piel
R 21/22	Perjudicial para la salud, si entra en contacto con la piel y se ingiere
R 20/22	Perjudicial para la salud, si se inhala e ingiere
R 20/21/22	Perjudicial para la salud, si se inhala, ingiere y entra en contacto con la piel
R 23/24	Tóxico, si se inhala y entra en contacto con la piel
R 24/25	Tóxico, si entra en contacto con la piel y se ingiere
R 23/25	Tóxico, si se inhala e ingiere
R 23/24/25	Tóxico, si se inhala, ingiere y entra en contacto con la piel
R 26/27	Muy tóxico, si se inhala y entra en contacto con la piel
R 27/28	Muy tóxico, si entra en contacto con la piel y se ingiere
R 26/28	Muy tóxico, si se inhala e ingiere
R 26/27/28	Muy tóxico, si se inhala, ingiere y entra en contacto con la piel
R 36/37	Irrita los ojos y los órganos respiratorios
R 37/38	Irrita los órganos respiratorios y la piel
R 36/38	Irrita los ojos y la piel
R 36/37/38	Irrita los ojos, los órganos respiratorios y la piel
R 42/43	Riesgo de sensibilización, si se ingiere y entra en contacto con la piel

Precauciones aconsejables (normas S)

S 1	Guardar bajo llave
S 2	Dejar fuera del alcance de los niños
S 3	Conservar frío
S 4	Conservar alejado de las viviendas
S 5	Conservar bajo agua
S 5a	Conservar bajo aceite de parafina
S 5b	Conservar bajo petróleo

S 6 Conservar bajo ... (gas inerte, a indicar por el fabricante)
S 7 Conservar los recipientes herméticamente cerrados
S 8 Conservar secos los recipientes
S 9 Conservar los recipientes en un lugar bien ventilado
S 10 Mantener húmedo el contenido
S 11 Impedir la entrada de aire
S 12 No cerrar los recipientes de manera hermética a los gases
S 13 Mantener alejado de alimentos, bebidas y forrajes
S 14 Mantener alejado de sustancias muy inflamables
S 15 Proteger del calor
S 16 Mantener alejado de fuentes de inflamación – No fumar
S 17 Mantener alejado de materias combustibles
S 18 Precaución, al abrir y manipular los recipientes
S 20 No comer ni beber durante el trabajo
S 21 No fumar durante el trabajo
S 22 No inhalar el polvo
S 23 No respirar gas/humo/vapor/aerosol (a indicar por el fabricante)
S 24 Evitar el contacto con la piel
S 25 Evitar el contacto con los ojos
S 26 De producirse contacto con los ojos, enjuagar con agua abundante y acudir al médico
S 27 Quitarse inmediatamente las prendas ensuciadas o empapadas
S 28 De producirse contacto con la piel, lavar inmediatamente con abundante agua
S 28a De producirse contacto con la piel, lavar inmediatamente con abundante cobre sulfato en sulución 2 %
S 29 No permitir que se vierta en la canalización
S 30 No agregar agua en ningún caso
S 31 Alejar de materias explosivas
S 33 Adoptar precauciones contra cargas electroestáticas
S 34 Evitar impactos y roces
S 35 Eliminar, con las debidas precauciones, desperdicios y recipientes
S 36 Utilizar durante el trabajo prendas protectoras adecuadas
S 37 Utilizar guantes protectores adecuados
S 38 Utilizar aparatos respiratorios si la ventilación es insuficiente
S 39 Utilizar gafas protectoras/escudo protector facial
S 40 Limpiar el pavimento y los objetos contaminados con ... (a indicar por el fabricante)
S 41 No inhalar los gases producidos por explosiones y combustiones
S 42 Utilizar al fumigar/pulverizar aparatos respiratorios adecuados (a indicar por el fabricante)
S 43 Extinguir con agua
S 43a Extinguer con arena
S 44 En caso de indisposición, solicitar asistencia médica (mostrando, si es posible, esta etiqueta)
S 45 En caso de accidente o indisposición, solicitar asistencia médica inmediata (mostrando, si es posible, esta etiqueta)

Combinación de las normas S

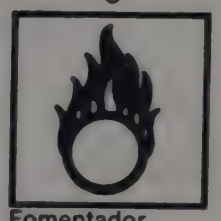
S 1/2 Guardar bajo llave y fuera del alcance de los niños
S 3/7/9 Conservar los recipientes herméticamente cerrados y en lugar fresco y bien ventilado
S 3/9 Conservar los recipientes en un lugar fresco y bien ventilado
S 7/9 Conservar los recipientes herméticamente cerrados y en un lugar bien ventilado
S 7/8 Conservar los recipientes secos y herméticamente cerrados
S 20/21 No comer, beber ni fumar durante el trabajo
S 24/25 Evitar el contacto con los ojos y con la piel
S 36/37 Utilizar durante el trabajo prendas y guantes protectores adecuados
S 36/39 Utilizar durante el trabajo prendas y gafas protectoras/escudo facial adecuados
S 37/39 Utilizar durante el trabajo gafas y guantes protectores/escudo facial adecuados
S 36/37/38 Utilizar durante el trabajo prendas/guantes protectores y gafas protectoras/escudo facial adecuados

Símbolos de peligrosidad y significado de los mismos

En negro, sobre fondo amarillo-anaranjado

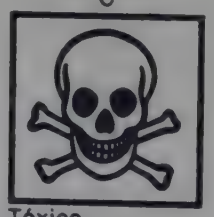
E

Explosivo

O

Fomentador de la combustión

F

Muy inflamable

C

Tóxico

T

Corrosivo

Xn

Perjudicial para la salud

Xi

Irritante

V. Instructiones para eliminar pequeñas cantidades de productos químicos de laboratorio

Mientras que las cantidades importantes de productos químicos sobrantes deben tratarse de acuerdo con lo que establece la Ley alemana sobre Eliminación de Desperdicios, los pequeños restos de productos químicos de laboratorio pueden convertirse, llegado el caso, en compuestos no perjudiciales para el medio ambiente a través de sencillas reacciones químicas. Ello significa que deberán modificarse (p. ej. por neutralización, oxidación o reducción) de acuerdo con sus características químicas, de modo que al verter los productos resultantes en aguas residuales, o al depositarlos en vertederos corrientes, no representen ningún peligro para la salud ni para el medio ambiente.

Los métodos que describimos a continuación tienen por finalidad servir de orientación acerca de cómo eliminar pequeños restos de productos de laboratorio por parte de personal especializado, sin que ello implique responsabilidad alguna para nosotros. Determinadas condiciones locales y disposiciones oficiales pueden constituir un impedimento para la realización de algunos de los mismos.

Las reacciones químicas, que citamos a modo de ejemplo, son válidas para un determinado grupo de productos, no teniendo en cuenta características especiales de algunos de ellos. También desde este aspecto, nuestras instrucciones constituyen meros consejos sin compromiso por nuestra parte, que presuponen verificar y evaluar que la reacción deseada llegue a su término antes de arrojar los productos resultantes a las aguas residuales o a un vertedero.

Para la realización de los trabajos, también remitimos a las Normas de Prevención de Accidentes y a las correspondientes hojas de especificaciones de la Mutualidad Patronal de Industrias Químicas Alemanas, así como a las Indicaciones sobre Peligrosidad y a las Normas de Seguridad, de acuerdo con la Ordenanza sobre Materiales Peligrosos y con las Normas de la Comunidad Europea, que también se citan en el presenta catálogo.

Ejemplos de métodos de eliminación

1. Los **ácidos inorgánicos y las soluciones ácidas** se diluyen primero con agua, tras lo cual se neutralizan (pH 6-8) adicionando lentamente sosa cáustica (producto nº 05211). La solución salina resultante, puede – después de someterla, en caso necesario, a una dilución más completa – verterse en las aguas residuales. ¡Téngase en cuenta la concentración máxima admisible!

   Los **ácidos derramados** se espolvorean con un exceso de hidróxido cálcico en polvo (producto nº 12038) y/o carbonato ácido de sodio en polvo (producto nº 13433). Una vez finalizada la reacción, pueden recogerse con un paño húmedo y eliminarse con agua abundante.

2. Las **sales de reacción ácida** en solución acuosa se mezclan primeramente con carbonato ácido de sodio en polvo (producto nº 13433) o con carbonato sódico en polvo (producto nº 13419), después de lo cual se disuelven en agua abundante y se vierten neutralizadas en las aguas residuales. ¡Téngase en cuenta la concentración máxima admisible!

3. Las **bases orgánicas, las lejías y los hidróxidos** inorgánicos hidrosolubles se neutralizan lentamente con ácido (sulfúrico) (producto nº 07208) diluído y se vierten en las aguas residuales en forma de solución salina (pH 6-8) diluída con agua. ¡Téngase en cuenta la concentración máxima admisible!

   Las **lejías alcalinas derramadas** y los líquidos de reacción alcalina pueden espolvorearse en exceso con sulfato ácido de sodio en polvo (producto nº 13437), recogiéndose seguidamente con un paño húmedo y eliminándose con agua abundante.

4. Las **sales básicas** se mezclan primeramente, llegado el caso, con sulfato ácido de sodio sólido (producto nº 13437) y se disuelven en agua, vertiéndose seguidamente en las aguas residuales en forma de soluciones diluídas neutralizadas (pH 6-8).

5. Los **compuestos orgánicos de gran volatilidad** en pequeñas dosís pueden evaporarse en lugares muy ventilados o a la intemperie, evitando la formación de mezclas combustibles de vapor/aire y manteniéndolos alejados de llamas abiertas y de cualquier otra fuente de inflamación.

6. Los líquidos combustibles, como **hidrocarburos, alcoholes, ésteres y cetonas,** deberán eliminarse en una planta incineradora provista de postcombustión. Las pequeñas cantidades de los mismos, p. ej. también los restos de disolventes, pueden recogerse con papel de filtro u otras materias absorbentes combustibles, e incinerarse o evaporarse a la intemperie en una bandeja (véase método 5). Debe considerarse la posibilidad de recuperarlos, p. ej. según el método 13.

7. Los **compuestos halogenados orgánicos** combustibles se incineran en mezcla con carbonato sódico (producto nº 13419) y/o hidróxido cálcico en polvo (producto nº 12038). Los halogenuros orgánicos líquidos deben recogerse primeramente con productos absorbentes, espolvorearse con hidróxido cálcico en polvo e incinerarse.

8. Estos **productos relativamente inofensivos** pueden verterse directamente en las aguas residuales después de haberlos diluído con agua abundante. ¡Téngase en cuenta la concentración máxima admisible!

9. Estos **productos** peligrosos y **difíciles de transformar** deben depositarse en un vertedero especial.

10. Ni siquiera las dosis reducidas de estos **productos de alta toxicidad** puede eliminarse por medios sencillos, por lo que resulta necesario transportarlas a un vertedero oficial para desechos tóxicos o recuperarlas por separado.

11. Estos compuestos, p. ej. **halogenuros inorgánicos líquidos,** deben adicionarse a una mezcla de carbonato sódico (producto nº 13419) e hidróxido cálcico (producto nº 13038), detrás de un escudo protector o en la vitrina de tiro del laboratorio, extremando las precauciones. Una vez finalizada la reacción, la mezcla resultante se incorpora cuidadosamente a agua abundante, agitando simultáneamente, y, una vez neutralizada, se vierte en las aguas residuales.

12 En la vitrina de tiro del laboratorio, estos productos se vierten lentamente sobre hielo y se neutralizan. La mezcla resultante diluída puede verterse en las aguas residuales.

13. Debe intentarse depurar y recuperar, p. ej. por destilación, estos **líquidos, que suelen formar vapores tóxicos.** En caso contrario, pueden eliminarse según métodos 5, 6 ó 7.

14. Los **aldehídos** se cubren con sulfito sódico (producto nº 13471) y se mezclan con un poco de agua. Una vez concluida la reacción, se diluyen con agua abundante y se vierten en las aguas residuales. También pueden evaporarse con precaución o incinerarse en la vitrina de tiro del laboratorio (véase métodos 5 y 6).

15. Para oxidar **nitrilos o mercaptanos,** se utiliza cloruro de cal (producto nº 12103) en solución acuosa al 15% como máximo. La reacción debe propiciarse con una agitación intensa prolongada. Seguidamente, la mezcla resultante se neutraliza y se vierte diluída en las aguas residuales.

16. Los **compuestos oxidantes favorecedores de la combustión** se mezclan bien con productos reductores sólidos, tales como tiosulfato sódico (producto nº 13481) o sulfito sódico (producto nº 13471), después de lo cual se adiciona, agitando simultáneamente, un poco de agua. En caso necesario, la reacción se acelerará incorporando son precaución ácido sulfúrico diluído (producto nº 07208). Una vez neutralizado, el líquido puede verterse con agua abundante en la red de desagüe.

17. Las **azidas de metales y los compuestos azoicos** deben oxidarse sobre hielo con una solución diluída de nitrato de amonio y cerio (IV) (producto nº 31823). Una vez finalizada la reacción, la fase orgánica se separará en caso necesario y se incinerará. El resto puede verterse en las aguas residuales diluído con agua abundante.

18. Las **sustancias disueltas** en disolventes orgánicos se eliminan según los métodos 6 ó 7, después de haber adicionado alcohol para incrementar su combustibilidad.

19. Las **aminas** pueden neutralizarse por el método 3, o incinerarse por los métodos 6 ó 7.

20. **Estos compuestos** se incinerarán o evaporarán en pequeñas cantidades, adoptando en todos los casos precauciones especiales (véase método 5). De lo contrario, pueden separarse y recuperarse por el método 13.

21. Los **ácidos orgánicos y los halogenuros de ácidos** pueden neutralizarse p. ej. por los métodos 1 ó 2, o incinerarse por los métodos 6 ó 7.

22. Los **cianuros inorgánicos** se tratan con sosa cáustica (producto nº 05211) y cloruro de cal en solución (producto nº 12103). Después de una prolongada actuación de estos productos, la solución resultante se diluye con agua abundante y se vierte en las aguas residuales.

23. Los **compuestos halogenados orgánicos** incombustibles deben recogerse y recuperarse por destilación. En caso contrario, pueden incinerarse por el método 7 en mezcla con disolventes orgánicos.

24. **El metal** de estos compuestos debe recuperarse o convertirse en compuestos insolubles en agua. Las soluciones obtenidas, p. ej. por adición de ácido, se neutralizan cuidadosamente con hidróxido amónico, después de lo cual el metal se precipita con productos adecuados en forma de hidróxido, carbonato o sulfato. El precipitado, lavado, filtrado y secado, se recuperará o trasladará un vertedero especial. Las pequeñas cantidades de los mismos pueden verterse diluídas en las aguas residuales (véase también método 26).

25. También los restos de **compuestos radioactivos,** separados cuidadosamente de otros desperdicios, deben transportarse a un vertedero especial o recuperarse.

26. Para recuperar **el metal** la sal se disuelve en ácido (clorhídrico) (producto nº 07104) y la solución resultante diluída, neutralizada en caso necesario, se satura en la vitrina de tiro con ácido sulfúrico, para precipitar los sulfuros metálicos. El precipitado, lavado y secado, se recuperará o se depositará en un vertedero especial (véase también método 24).

27. Incluso las cantidades relativamente reducidas de residuos de **ácido fluorhídrico o de compuesto fluorados inorgánicos,** se tratarán con hidróxido cálcico en polvo (producto nº 12038) o con lechada de cal, para precipitar de la solución acousa el floruro cálcico insoluble. El precipitado, lavado y secado, puede transportarse a un vertedero corriente. Las soluciones se tratarán, en caso necesario, por el método 24.

28. Los **metales alcalinos y alcalinotérreos,** así como determinados compuestos organometálicos, se cubren y se mezclan en primer lugar en seco con carbonato sódico anhidro (producto nº 13419). Seguidamente, en la vitrina de tiro, se adiciona lentamente butanol (producto nº 24124), evitando fuentes de inflamación. El día siguiente de haber concluido la reacción, se diluyen cuidadosamente con agua abundante y, una vez neutralizadas, se vierten en las aguas residuales.

29. Para oxidar **fósforo y fosfuros metálicos,** se utilizan soluciones diluídas de p. j. cloruro de cal (producto nº 12103) con sosa cáustica (producto nº 05211). Dichos productos, que son muy inflamables, así como sus productos de reacción, deben manipularse bajo nitrógeno en la vitrina de tiro del laboratorio. Los mismos se colocan en pequeñas dosis en la solución de oxidación bien fría. Los productos de reacción que se separan, también tóxicos, pueden incinerarse por el método 7.

VI. Abreviaturas y símbolos convencionales

B.T.N. = tarifa aduana de Bruselas
A. = ampolla, tubo de vidrio
AL./ALU. = recipiente de aluminio
BA. = bombona
BL. = lata
BLT. = tambor
EKL. = recipiente de metal, ligero
EKS. = recipiente de metal, pesado
F. = barril
FL. = frasco de vidrio
FPD. = tambor de plástico
FPF. = barril o tambor de plástico
FTP. = tambor de fibra
K. = caja de cartón
KA. = bidón
PF. = frasco plástico
PKM. = container de plástico
S. = saco
SF. = cilindro de acero
STP. = tambor
TS. = bombona blindada
WG. = frasco de vidrio de boca ancha
ZK. = bidón de zinc
pack = envase standard
kg = kilogramo
g = gramo
mg = miligramo
ml = milílitro
L = litro
D_4^{20} = densidad
R.G. = para análisis
GC = cromatografia de gas
ε = coeficiente de extinción molar
n = indice de refracción
$[\alpha]_D^{20}$ = rotación específica
nm = nanómetro
C.I.No. = Número del Colour-Index, 2a edición 1956
S.No. = Número de la tabla de colorantes Schultz, 7a edición
® = marca comercial registrada
El presente catálogo es una traducción de alemán, y las referencias a marcas comerciales ® = marca registrada que contiene significan que estas marcas están registradas bién en uno o en varios países
1 L ≈ ... kg = Los pesos dados con la referencia "1 L ≈ . . . kg" están en función de la calculación, sin configurar valores cièntíficos
† = una vez agotadas las existencias, en case este tipe de envase ya no se incluîrá mas en el catálogo

Las cifras indicadas debajo del número de los productos expresan la clase de peligrosidad en cifras o números UN (* = asimilado), así como el grupo de envases correspondiente a las siguientes normas de transporte:

A) RID/ADR = Réglement international concernant le transport des marchandises dangereuses par chemin de fer/Accord européen relatif au transport international des marchandises dangereuses par route
B) GGVE/GGVS = Gefahrgutverordnung Eisenbahn/Straße
C) IMDG-CODE (GGVSee) = International maritime dangerous goods code

Categoría 1 = productos explosivos
Categoría 2 = gases comprimidos, licuados o disueltos a presión
Categorlía 3 = productos líquidos inflamables
Categoría 4.1 = productos sólidos inflamables
Categoría 4.2 = productos inflamables espontáneamente
Categoría 4.3 = productos que desprenden gases inflamables en contacto con agua
Categoría 5.1 = productos de acción inflamante (oxidante)
Categoría 5.2 = peróxidos orgánicos
Categoría 6.1 = productos tóxicos
Categoría 7 = productos radioactivos
Categoría 8 = productos corrosivos
Categoría 9 = productos peligrosos varios

Indicación especial (AG):

AG 521, **AG 38/78** } No afectado por las normas de transporte

Parte de los puntos de inflamación indicados han sido tomados de la bibliografía.

Si un producto puede incluirse tanto en RID/ADR como en GGVE/GGVS, se señalará únicamente con una "A".

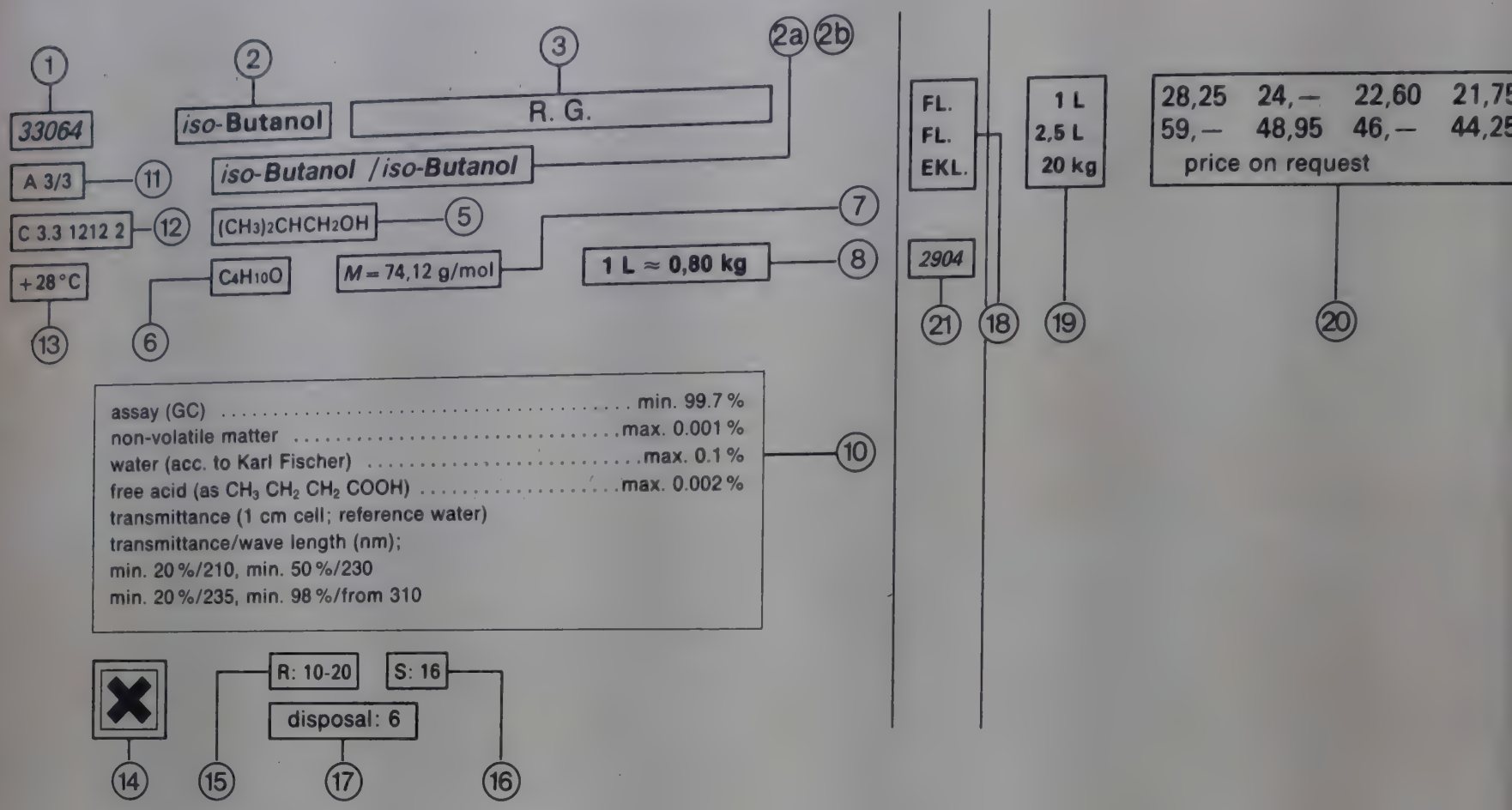
Los productos peligrosos quedan excluídos por norma del envío por correo.

Farmacopeas

DAB = Deutsches Arzneibuch
DAC = Deutscher Arzneimittel Codex
Erg.B. = Ergänzungsbuch zum Deutschen Arzneibuch
B.P. = British Pharmacopoeia
B.P.C. = British Pharmaceutical Codex
Cod.Franç. = Codex Français
N.F. = The National Formulary
ÖAB = Österreichisches Arzneibuch
Ph.Belg. = Pharmacopée Belge
Ph.Eur. I = European Pharmacopoeia, Vol. I, II, III
Ph.Franç. = Pharmacopée Française
Ph.Ned. = Pharm. Nederlandica
Ph.Nord. = Pharm. Nordica
U.S.P. = United States Pharmacopoeia

Estas informaciones corresponden al estado actual de nuestros conocimientos y pretenden instruirles acerca de nuestros productos y sus posibles aplicaciones, así como sobre las precauciones a adoptar para su manipulación. Con ello no quedan garantizadas propiedades específicas de los mismos o su aptitud para un uso concreto. Se habrán de tener en cuenta posibles derechos de propiedad industrial. Se garantiza la calidad de los productos según nuestras Condiciones Generales de Venta.

VII. Descripción de los productos



1. Número del producto
2. Nombre del producto Ingles, 2 a. Français, 2 b. Español
3. Descripción del surtido: características cualitativas generales; aplicación; presentación; estabilizadores.
4. Sinónimo
5. Fórmula estructural lineal
6. Fórmula aditiva
7. Masa molar
8. Masa por litro en líquidos (valor aproximado)
10. Especificaciones
11. Peligrosidad
12. Peligrosidad según código IMDG (GGVSee), número UN y grupo de envase
13. Punto de inflamación
14. Símbolo de peligrosidad (ArbStoffV)
15. Indicaciones sobre la peligrosidad (normas R)
16. Normas de seguridad (normas S)
17. Instrucciones para eliminar pequeñas cantidades
18. Tipo de envase (abreviado)
19. Capacidad del envase
20. Escala de precios
21. BTN (partida arancelaria de Bruselas)

Riedel-de Haën

Safe purchasing

Safety is the word when buying laboratory chemicals. Riedel-de Haën tells you how you can safely cut costs and just how safe is the handling of laboratory chemicals from Riedel-de Haën in your daily work.

Riedel boxes

Riedel safety boxes - our contribution to safety

Laboratory chemicals, among other things, are filled, sold and delivered in glass bottles. Although glass is a packaging material with many advantages, it unfortunately also possesses one drawback – it breaks when subject to excessive impact load. This cannot be ruled out, especially during transportation.

In order that the laboratory chemicals reach you safely, Riedel-de Haën has, therefore developed a safety box.

6 x safety à la Riedel-de Haën

harmless to the environment: many possibilities for re-use, easy to destroy

two complete polystyrene foam halves

non-slip, non-tilt bottle insert

securely held together by wide strips of adhesive tape

stackproof and skidproof through special burls

space and weight savings in the store

offer advantages

Quantity discount for Riedel boxes, our contribution for cost reduction

Mathematics à la Riedel-de Haën

	You pay
○ single pack	= 100% single pack price
○ 1 Riedel box, each with 6 packs in one size	= approx. 85% of single pack price (you save approx. 15%)
○ 4 Riedel boxes, each with 6 packs in one size	= approx. 80% of single pack price (you save approx. 20%)
○ 16 Riedel boxes, each with 6 packs in one size	= approx. 75% of single pack price (you save approx. 25%)

And another advantage of mathematics à la Riedel-de Haën:

You can combine together in your order Riedel boxes containing any product in our selling range:

Either: 16 Riedel boxes each with 6 original packs and containing 16 different products – for each Riedel box you will then be charged the lowest sliding-scale price printed in the price list.

Or: if 16 Riedel boxes are too much for you, then we charge you, for example for 4 Riedel boxes each with 6 original packs and containing 4 different products, the sliding-scale price for 24 packs.

You yourself can decide which is the best way for you to reduce purchasing costs.

Riedel-de Haën

Products with built-in reliability

Reliability through experience

Riedel-de Haën, a member of the Hoechst Group, grew out of the J. D. Riedel chemical and pharmaceutical factory and the E. de Haën chemical factory. Merged in 1928 to Riedel-de Haën AG, the company developed in the following years to a strongly innovative enterprise with extensive technical and scientific know-how and a broad range of products.

Reliability through product quality

- From "technical-grade" to "ultrapure" qualities to meet customers' specific requirements
- Invariable production quality guaranteed by continuous analytical control
- Systematic advances in development, resulting in enlargement and improvement of the product range

Reliability through problem solving

Research and the development of special preparations for individual solutions to customers' problems are a traditional domain of Riedel-de Haën.

In the areas of organic and inorganic chemicals the Riedel-de Haën production programme concentrates on the following product groups:

- Hydrofluoric acid, fluorides and fluoroborates
- Fluoroboric acid, metal fluoroborate and sulfamate solutions for electroplating in technical applications
- Ultrapure chemicals for the semiconductor industry
- Pharmaceutical chemicals for haemodialysis
- Bromine and iodine compounds and also fluorinated aromatics (depending on the customer's needs, Riedel-de Haën develops individual products from laboratory scale through the pilot-plant stage on up to large-scale industrial production)
- UV absorbers for cosmetics and technology
- Pharmaceutical active principles and adjuvants
- Industrial preservatives, fungicides and wood preservatives
- Luminous pigments, for TV picture tubes, phoshorescent warning and directional signs, safety markings, etc.
- Dyestuffs for photographic purposes and sensitizers
- Laboratory chemicals (synthesis chemicals, analytical reagents, solvents, preparations for chromatography)

Tell us about your problem. Riedel-de Haën will give you the help and advice you need.

Riedel-de Haën

Riedel-de Haën AG, Wunstorfer Straße 40, D-3016 Seelze 1,
Federal Republic of Germany, Tel. 5137/707-1, Telex 921295 rdhs d

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	ABC-Triele see Ammonium hydrogen carbonate						
18707	**Acacia** (Gum arabic) purified powder Ph. Eur. I, B. P. 1973, Ph. Franç. IX *Gomme arabique / Goma arábiga*	PF. PF. S. *1302*	1 kg 5 kg 25 kg	29,50 125,50 price on request	25,10 104,15	23,60 97,90	22,70 94,15
	Acaricide, agent against red spiders see appendix PESTANAL®						
63193	**Acenaphthene** PROSYNTH® *Acénaphtène / Acenafteno* $C_{10}H_6CH_2CH_2$[1,8] $C_{12}H_{10}$ M = 154,21 g/mol assay (GC) ..... 98% melting range ..... 90–93 °C	PF. *2901*	500 g	48,—	40,80	38,40	36,95
64200	**Acenaphthenequinone** PROSYNTH® *Acénaphtènequinone / Acenaftenoquinona* $C_{10}H_6COCO$ $C_{12}H_6O_2$ M = 182,18 g/mol assay ..... 98% melting range ..... 257–260 °C	PF. *2913*	100 g	113,50	96,50	90,80	85,15
64201	**Acenaphthylene** PROSYNTH® *Acénaphtylène / Acenaftileno* $C_{12}H_8$ M = 152,20 g/mol assay (GC) ..... 98% melting range ..... 86–89 °C	WG. WG. *2901*	100 g 500 g	28,50 117,50	24,25 99,90	22,80 94,—	21,40 90,50
39080 A 3/5 C 3.1 1089 1 -38 °C	**Acetaldehyde** BIOSYNTH® *Acétaldéhyde / Acetaldehido* CH_3CHO C_2H_4O M = 44,05 g/mol 1 L ≈ 0,78 kg keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 12-36/37 S: 9-16-29-33 disposal: 14	FL. *2911*	500 ml	16,—	13,60	12,80	12,30
60471 A 3/5 C 3.1 1089 1 -20 °C	**Acetaldehyde** PROSYNTH® *Acétaldéhyde / Acetaldehído* CH_3CHO C_2H_4O M = 44,05 g/mol 1 L ≈ 0,78 kg assay (GC) ..... 99,5% boiling range ..... 20,5–21,5 °C water (according to Karl Fischer) ..... 0,02% R: 12-36/37 S: 9-16-29-33 disposal: 14	FL. *2911*	1 L	17,—	14,45	13,60	13,10
65172 A 3/1A C 3.1 1088 2 -21 °C	**Acetaldehyde diethyl acetal** PROSYNTH® *Acétaldéhyde diéthylacétal / Acetaldihído dietilacetal* $CH_3CH(OCH_2CH_3)_2$ $C_6H_{14}O_2$ M = 118,18 g/mol 1 L ≈ 0,83 kg assay (GC) ..... 97% boiling range ..... 101–103 °C refractive index (n_D^{20}) ..... 1,382 R: 11 S: 9-16-33 disposal: 14	FL. *2910*	250 ml	14,50	12,35	11,60	10,90
15003	**Acetamide** pure cryst. *Acétamide / Acetamida* CH_3CONH_2 C_2H_5NO M = 59,07 g/mol assay (GC) ..... 99,5% melting range ..... 79–81 °C sulphated ash ..... 0,05% free acid (as CH_3COOH) 0,2%	PF. PF. *2925*	500 g 2,5 kg	25,25 100,50	21,45 83,40	20,20 78,40	19,45 75,40

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
15036	**Acetamide** *Acétamide / Acetamida* CH_3CONH_2 C_2H_5NO M = 59,07 g/mol assay (GC) ..... 98% melting range ..... 72–74 °C water (according to Karl Fischer) ..... 0,2% free acid (as CH_3COOH) 1%	PF. FTP. 2925	1 kg 50 kg	28,50 price on request	24,25	22,80	21,95
64203	**Acetamidinium acetate** PROSYNTH® *Acétamidine acétate / Acetamidinio acetato* $CH_3C(=NH)NH_2 \cdot CH_3COOH$ $C_4H_{10}N_2O_2$ M = 118,14 g/mol assay ..... 98% melting range ..... 189–191 °C	WG. 2926	10 g	56,–	47,60	44,80	42,–
62000	**Acetamidinium chloride** PROSYNTH® *Acétamidine chlorure / Acetamidinio cloruro* $CH_3C(=NH)NH_2 \cdot HCl$ $C_2H_7ClN_2$ M = 94,54 g/mol assay (ex Cl) ..... 99% melting range ..... 165–170 °C	WG. 2926	100 g	17,75	15,10	14,20	13,30
62001	**2-Acetamidoacrylic acid** PROSYNTH® *Acide 2-acétamidoacrylique / Acido 2-acetamidoacrílico* $CH_2=C(NHCOCH_3)COOH$ $C_5H_7NO_3$ M = 129,12 g/mol assay (alkalimetric) ..... 99% melting range ..... 194–196 °C (disint.)	WG. 2925	10 g	76,50	65,05	61,20	57,40
62002	**4-Acetamidobenzaldehyde** PROSYNTH® *4-Acétamidobenzaldéhyde / 4-Acetamidobenzaldehído* $CH_3CONHC_6H_4CHO$ $C_9H_9NO_2$ M = 163,18 g/mol assay (ex N) ..... 99% melting range ..... 152–156 °C	PF. 2925	100 g	99,50	84,60	79,60	74,65
63194	**3-Acetamidobenzoic acid** PROSYNTH® *Acide 3-acétamidobenzoïque / Acido 3-acetamidobenzóico* $CH_3CONHC_6H_4COOH$ $C_9H_9NO_3$ M = 179,18 g/mol assay (alkalimetric) ..... 98% melting range ..... 249–251 °C	WG. 2925	100 g	72,–	61,20	57,60	54,–
64252	**4-Acetamido-benzoylsulphochloride** PROSYNTH® *4-Acétamido-benzoylsulfochlorure / 4-Acetamido-benzoilsulfocloruro* $CH_3CONHC_6H_4SO_2Cl$ $C_8H_8ClNO_3S$ M = 233,67 g/mol assay (ex Cl) ..... 98% keep cool à stocker au frais consérvese frio	WG. 2936	250 g	28,50	24,25	22,80	21,40
39282	**α-Acetamidocinnamic acid dihydrate** BIOSYNTH® *Acide α-acétamido cinnamique dihydrate / Acido α-acetamido cinámico dihidrato* $C_6H_5CH=C(NHCOCH_3)COOH \cdot 2H_2O$ $C_{11}H_{11}NO_3 \cdot 2H_2O$ M = 241,24 g/mol	WG. 2923	10 g	36,–	30,60	28,80	27,–
60412	**2-Acetamidoethanol** PROSYNTH® *2-Acétamidoéthanol / 2-Acetamidoetanol* $CH_3CONHCH_2CH_2OH$ $C_4H_9NO_2$ M = 103,12 g/mol 1 L ≈ 1,12 kg	FL. FL. 2925	250 ml 1 L	86,50 287,–	73,55 243,95	69,20 229,60	64,90 221,–

refer explanations

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
63195 A 6.1/21 C 6.1 2811 2	**2-Acetamidofluorene** PROSYNTH® *2-Acétamidofluorène / 2-Acetamidofluoreno* $C_6H_4CH_2C_6H_3NHCOCH_3$ $C_{15}H_{13}NO$ $M = 223{,}27$ g/mol assay (HPLC) ..... 99% melting range ..... 192—194 °C	WG. *2925*	10 g	65,50	55,70	52,40	49,15
64253	**N-(2-Acetamido)-iminodiacetic acid** PROSYNTH® *Acide iminodiacétique-N-(2-acétamido) / Acido iminodiacético-N-(2-acetamido)* $NH_2COCH_2N(CH_2COOH)_2$ $C_6H_{10}N_2O_5$ $M = 190{,}16$ g/mol assay ..... 98% melting range ..... 210—220 °C (disint.)	WG. *2923*	5 g	22,75	19,35	18,20	17,05
	DL-2-Acetamido-4-methylmercaptobutyric acid see N-Acetyl-DL-methionine						
63196	**2-Acetamido-5-nitrothiazole** PROSYNTH® *2-Acétamido-5-nitrothiazole / 2-Acetamido-5-nitrotiazol* $SC(NO_2)=CHN=CNHCOCH_3$ $C_5H_5N_3O_3S$ $M = 187{,}18$ g/mol assay (ex N) 95%	WG. *2935*	100 g	43,75	37,20	35,—	32,80
64254	**3-Acetamidophenol** PROSYNTH® *3-Acétamidophénol / 3-Acetamidofenol* $CH_3CONHC_6H_4OH$ $C_8H_9NO_2$ $M = 151{,}16$ g/mol assay (HPLC) ..... 98% melting range ..... 146—148 °C	WG. *2923*	100 g	19,75	16,80	15,80	14,80
63263	**4-Acetamidophenol** PROSYNTH® *4-Acétamidophénol / 4-Acetamidofenol* $CH_3CONHC_6H_4OH$ $C_8H_9NO_2$ $M = 151{,}16$ g/mol assay (HPLC) ..... 99% melting range ..... 168—170 °C	WG. *2923*	100 g	14,75	12,55	11,80	11,05
	4-Acetamidophenol see 4-Hydroxyacetanilide						
63197	**4-Acetamidothiophenol** PROSYNTH® *4-Acétamidothiophénol / 4-Acetamidotiofenol* $CH_3CONHC_6H_4SH$ C_8H_9NOS $M = 167{,}23$ g/mol assay (iodometric) ..... 98% melting range ..... 153—156 °C	WG. *2931*	5 g	46,—	39,10	36,80	34,50
	Acetamino... see Acetamido...						
	Acetaminophen see 4-Hydroxyacetanilide						
	p-Acetaminophenylbenzoate see 4-Hydroxyacetanilide						
	2-p-Acetaminophenyl benzoate see 4-Hydroxyacetanilide						
15004	**Acetanilide** DAB 6 *Acétanilide / Acetanilida* $CH_3CONHC_6H_5$ C_8H_9NO $M = 135{,}17$ g/mol R: 20/21/22 S: 28 disposal: 19	PF. PF. FTP. *2925*	500 g 1 kg 50 kg	23,25 39,75 price on request	19,75 33,80	18,60 31,80	17,90 30,60
	Acetate-buffer solution see Buffer solutions ready-for-use						

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
33209 A 8/21C C 3.3 1842 2 +40 °C	**Acetic acid** (glacial) min. 99,7% R. G., Reag. ACS, Reag. ISO, Reag Ph. Eur. I, indifference to chromic acid *Acide acétique / Acido acético* CH_3COOH $C_2H_4O_2$ $M = 60{,}05$ g/mol **1 L ≈ 1,05 kg** assay ..... min. 99,8% congealing point ..... min. 16,3 °C non-volatile matter ..... max. 0,001% arsenic (As) ..... max. 0,0001% lead (Pb) ..... max. 0,00001% cadmium (Cd) ..... max. 0,00002% iron (Fe) ..... max. 0,00001% copper (Cu) ..... max. 0,00001% zinc (Zn) ..... max. 0,00005% heavy metals (as Pb) ..... max. 0,0002% acetaldehyde ..... max. 0,0001% chloride (Cl) ..... max. 0,0001% sulphate (SO_4) ..... max. 0,002% matters reducing $KMnO_4$ (as HCOOH) ... passes test indifference to chromic acid ..... R: 10-35 S: 2-23-26 disposal: 21	FL. FL. FPN. FPN. *2914*	1 L 2,5 L 60 kg 5x	22,— 45,75 kg kg	18,70 37,95 7,— 6,50	17,15 35,70	16,30 34,30
17926 A 8/21C C 3.3 1842 2 +40 °C	**Acetic acid** (glacial) 99—100%, **MOS** PURANAL® particle class 0 *Acide acétique / Acido acético* CH_3COOH $C_2H_4O_2$ $M = 60{,}05$ g/mol **1 L ≈ 1,05 kg** assay ..... min. 99,8% congealing point ..... min. 16,2 °C non-volatile matter ..... max. 5 ppm aluminium (Al) ..... max. 0,05 ppm antimony (Sb) ..... max. 0,01 ppm arsenic (As) ..... max. 0,01 ppm barium (Ba) ..... max. 0,1 ppm beryllium (Be) ..... max. 0,01 ppm lead (Pb) ..... max. 0,02 ppm boron (B) ..... max. 0,02 ppm cadmium (Cd) ..... max. 0,01 ppm calcium (Ca) ..... max. 0,2 ppm chromium (Cr) ..... max. 0,01 ppm iron (Fe) ..... max. 0,1 ppm gallium (Ga) ..... max. 0,02 ppm gold (Au) ..... max. 0,02 ppm indium (In) ..... max. 0,02 ppm potassium (K) ..... max. 0,1 ppm cobalt (Co) ..... max. 0,01 ppm copper (Cu) ..... max. 0,01 ppm lithium (Li) ..... max. 0,02 ppm magnesium (Mg) ..... max. 0,1 ppm manganese (Mn) ..... max. 0,01 ppm molybdenum (Mo) ..... max. 0,01 ppm sodium (Na) ..... max. 0,2 ppm nickel (Ni) ..... max. 0,01 ppm platinum (Pt) ..... max. 0,02 ppm silver (Ag) ..... max. 0,02 ppm strontium (Sr) ..... max. 0,02 ppm thallium (Tl) ..... max. 0,02 ppm titanium (Ti) ..... max. 0,01 ppm vanadium (V) ..... max. 0,01 ppm bismuth (Bi) ..... max. 0,02 ppm zinc (Zn) ..... max. 0,05 ppm tin (Sn) ..... max. 0,02 ppm zirconium (Zr) ..... max. 0,01 ppm chloride (Cl) ..... max. 1 ppm phosphate (PO_4) ..... max. 1 ppm sulphate (SO_4) ..... max. 1 ppm matters reducing $KMnO_4$ (as HCOOH) ..... max. 20 ppm acetaldehyde (GC) ..... max. 2 ppm acetic anhydride (GC) ..... max. 100 ppm R: 10-35 S: 2-23-26 disposal: 21	FL. *2914*	2,5 L	price on request			

refer explanations

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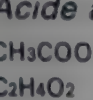
17866 A 8/21C C 3.3 1842 2 +40 °C	**Acetic acid** (glacial) 99—100%, PURANAL® *Acide acétique / Acido acético* CH_3COOH $C_2H_4O_2$ $M = 60{,}05$ g/mol **1 L ≈ 1,05 kg** assay ..... min. 99,8% congealing point ..... min. 16,2 °C non-volatile matter ..... max. 5 ppm aluminium (Al) ..... max. 0,05 ppm antimony (Sb) ..... max. 0,01 ppm arsenic (As) ..... max. 0,01 ppm barium (Ba) ..... max. 0,1 ppm beryllium (Be) ..... max. 0,01 ppm lead (Pb) ..... max. 0,02 ppm boron (B) ..... max. 0,02 ppm cadmium (Cd) ..... max. 0,01 ppm calcium (Ca) ..... max. 0,2 ppm chromium (Cr) ..... max. 0,01 ppm iron (Fe) ..... max. 0,1 ppm gallium (Ga) ..... max. 0,02 ppm gold (Au) ..... max. 0,02 ppm indium (In) ..... max. 0,02 ppm potassium (K) ..... max. 0,1 ppm cobalt (Co) ..... max. 0,01 ppm copper (Cu) ..... max. 0,01 ppm lithium (Li) ..... max. 0,02 ppm magnesium (Mg) ..... max. 0,1 ppm manganese (Mn) ..... max. 0,01 ppm molybdenum (Mo) ..... max. 0,01 ppm sodium (Na) ..... max. 0,2 ppm nickel (Ni) ..... max. 0,01 ppm platinum (Pt) ..... max. 0,02 ppm silver (Ag) ..... max. 0,02 ppm strontium (Sr) ..... max. 0,02 ppm thallium (Tl) ..... max. 0,02 ppm titanium (Ti) ..... max. 0,01 ppm vanadium (V) ..... max. 0,01 ppm bismuth (Bi) ..... max. 0,02 ppm zinc (Zn) ..... max. 0,05 ppm tin (Sn) ..... max. 0,02 ppm zirconium (Zr) ..... max. 0,01 ppm chloride (Cl) ..... max. 1 ppm phosphate (PO_4) ..... max. 1 ppm sulphate (SO_4) ..... max. 1 ppm matters reducing $KMnO_4$ (as HCOOH) ..... max. 20 ppm acetaldehyde (GC) ..... max. 2 ppm acetic anhydride (GC) ..... max. 100 ppm  R: 10-35 S: 2-23-26 disposal: 21	FL. FPN. *2914*	2,5 L 60 kg	price on request price on request			
27221 A 8/21C C 3.3 1842 2 +40 °C	**Acetic acid** (glacial) 99—100% chem. pure *Acide acétique / Acido acético* CH_3COOH $C_2H_4O_2$ $M = 60{,}05$ g/mol **1 L ≈ 1,05 kg** R: 10-35 S: 2-23-26 disposal: 21	FL. FL. FPN. FPN. *2914*	1 L 2,5 L 60 kg 5x	16,25 34,50 kg kg	13,80 28,65 3,50 3,25	13,— 26,90	12,50 25,90
27279 A 8/21C C 3.3 1842 2 +40 °C	**Acetic acid** (glacial) 99—100% chem. pure DAB 8, indifferent to chromic acid *Acide acétique / Acido acético* CH_3COOH $C_2H_4O_2$ $M = 60{,}05$ g/mol **1 L ≈ 1,05 kg** R: 10-35 S: 2-23-26 disposal: 21	FL. FL. *2914*	1 L 2,5 L	18,— 38,50	15,30 31,95	14,05 30,05	13,30 28,90

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
27225 A 8/21C C 3.3 1842 2 +40 °C	**Acetic acid** (glacial) min. 99,5% chem. pure DAB 8, U. S. P. XIX *Acide acétique / Acido acético* CH_3COOH $C_2H_4O_2$ $M = 60,05$ g/mol **1 L ≈ 1,05 kg** assay ..... 99,7% non-volatile matter ..... 0,003% arsenic (As) ..... 0,0002% iron (Fe) ..... 0,0002% heavy metals (as Pb) ..... 0,0002% chloride (Cl) ..... 0,0005% sulphate (SO_4) ..... 0,0005% $KMnO_4$ red. matter (as HCOOH) ..... 0,01% R: 10-35 S: 2-23-26 disposal: 21	FL. FL. FPN. FPN. FPN. *2914*	1 L 2,5 L 60 kg 5x 10x	17,50 37,— kg kg kg	14,90 30,70 4,30 4,— 3,75	13,65 28,85	12,95 27,75
27222 A 8/21C C 3.3 1842 2 +40 °C	**Acetic acid** (glacial) 99—100% technical *Acide acétique / Acido acético* CH_3COOH $C_2H_4O_2$ $M = 60,05$ g/mol **1 L ≈ 1,05 kg** R: 10-35 S: 2-23-26 disposal: 21	FL. FPN. FPN. *2914*	2,5 L 60 kg 5x	21,50 kg kg	17,85 3,20 2,80	16,75	16,15
33206 A 8/21C C 3.3 1842 2 +40 °C	**Acetic acid** (glacial) 96% R. G. *Acide acétique / Acido acético* CH_3COOH $C_2H_4O_2$ $M = 60,05$ g/mol **1 L ≈ 1,06 kg** assay ..... min. 96% non-volatile matter ..... max. 0,001% arsenic (As) ..... max. 0,0001% lead (Pb) ..... max. 0,00001% cadmium (Cd) ..... max. 0,00001% iron (Fe) ..... max. 0,00002% copper (Cu) ..... max. 0,00001% zinc (Zn) ..... max. 0,00001% acetaldehyde (CH_3CHO) ..... max. 0,0002% chloride (Cl) ..... max. 0,0001% sulphate (SO_4) ..... max. 0,0001% matters reducing $KMnO_4$ (as HCOOH) ..: max. 0,002% R: 10-35 S: 2-23-26 disposal: 21	FL. FL. FPN. FPN. *2914*	1 L 2,5 L 60 kg 5x	22,— 45,75 kg kg	18,70 37,95 7,— 6,50	17,15 35,70	16,30 34,30

refer explanations

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
17834 A 8/21C C 3.3 1842 2 +40 °C	**Acetic acid** (glacial) 96% PURANAL® *Acide acétique / Acido acético* CH_3COOH $C_2H_4O_2$ $M = 60,05$ g/mol — 1 L ≈ 1,06 kg assay ..... min. 96% non-volatile matter ..... max. 5 ppm aluminium (Al) ..... max. 0,05 ppm antimony (Sb) ..... max. 0,01 ppm arsenic (As) ..... max. 0,01 ppm barium (Ba) ..... max. 0,1 ppm beryllium (Be) ..... max. 0,01 ppm lead (Pb) ..... max. 0,02 ppm boron (B) ..... max. 0,02 ppm cadmium (Cd) ..... max. 0,01 ppm calcium (Ca) ..... max. 0,2 ppm chromium (Cr) ..... max. 0,01 ppm iron (Fe) ..... max. 0,1 ppm gallium (Ga) ..... 0,02 ppm gold (Au) ..... max. 0,02 ppm indium (In) ..... max. 0,02 ppm potassium (K) ..... max. 0,1 ppm cobalt (Co) ..... max. 0,01 ppm copper (Cu) ..... max. 0,01 ppm lithium (Li) ..... 0,02 ppm magnesium (Mg) ..... max. 0,1 ppm manganese (Mn) ..... max. 0,01 ppm molybdenum (Mo) ..... max. 0,01 ppm sodium (Na) ..... max. 0,2 ppm nickel (Ni) ..... max. 0,01 ppm platinum (Pt) ..... max. 0,02 ppm silver (Ag) ..... max. 0,02 ppm strontium (Sr) ..... max. 0,02 ppm thallium (Tl) ..... max. 0,02 ppm titanium (Ti) ..... max. 0,01 ppm vanadium (V) ..... max. 0,01 ppm bismuth (Bi) ..... max. 0,02 ppm zinc (Zn) ..... max. 0,05 ppm tin (Sn) ..... max. 0,02 ppm zirconium (Zr) ..... max. 0,01 ppm chloride (Cl) ..... max. 1 ppm phosphate (PO_4) ..... max. 1 ppm sulphate (SO_4) ..... max. 1 ppm matters reducing $KMnO_4$ (as O) ..... max. 20 ppm acetaldehyde (GC) ..... max. 2 ppm acetic anhydride (GC) ..... max. 100 ppm R: 10-35 S: 2-23-26 disposal: 21	FL. *2914*	2,5 L	price on request			
27264 A 8/21C C 3.3 1842 2 +42 °C	**Acetic acid** technical 90% *Acide acétique / Acido acético* CH_3COOH $C_2H_4O_2$ $M = 60,05$ g/mol — 1 L ≈ 1,06 kg R: 10-35 S: 2-23-26 disposal: 21	FL. FPN. FPN. *2914*	2,5 L 60 kg 5x	22,— kg kg	18,25 3,20 2,90	17,15	16,50
27218 A 8/21C C 3.3 1842 2 +42 °C	**Acetic acid** 80% chem. pure *Acide acétique / Acido acético* CH_3COOH $C_2H_4O_2$ $M = 60,05$ g/mol — 1 L ≈ 1,07 kg R: 10-35 S: 2-23-26 disposal: 21	FL. FL. FPN. FPN. *2914*	1 L 2,5 L 60 kg 5x	13,75 28,50 kg kg	11,70 23,65 3,25 2,80	10,75 22,25	10,20 21,40
34051	**Acetic acid** 1% for the leucocytes count *Acide acétique / Acido acético* 1 L ≈ 1,00 kg	PF. *3005*	100 ml	10,—	8,50	8,—	7,50
38050	**0,1 mol Acetic acid** FIXANAL® 6,005 g CH_3COOH for 1 L 0,1 N solution *0,1 mol Acide acétique / 0,1 mol Acido acético* ampoule R: 36/38 S: 2-26 disposal: 21	*3819*	1 pack	8,75	7,45	7,—	6,55

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)	Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
38051 **1 mol Acetic acid** FIXANAL® 60,053 g CH_3COOH for 1 L 1 N solution *1 mol Acide acétique / 1 mol Acido acético* bottle A 8/21C C 3.3 1842 2 +40 °C R: 10-35 S: 2-23-26 disposal: 21	*3819*	1 pack	11,25	9,55	9,—	8,45
09012 **Acetic acid-d_1** deuteration degree not less than 99 atom % D *Acide acétique-d_1 / Acido acético-d_1* A 8/21C C 3.3 1842 2 +40 °C CH_3COOD $C_2H_3DO_2$ M = 61,04 g/mol 1 L ≈ 1,05 kg R: 10-35 S: 2-23-26 disposal: 21	FL. *2851*	25 ml	53,50	45,50	42,80	40,15
09013 **Acetic acid-d_4** deuteration degree not less than 99 atom % D *Acide acétique-d_4 / Acido acético-d_4* A 8/21C C 3.3 1842 2 +40 °C CD_3COOD $C_2D_4O_2$ M = 64,02 g/mol 1 L ≈ 1,12 kg R: 10-35 S: 2-23-26 disposal: 21	A. *2851*	10 ml	76,—	64,60	60,80	57,—
Acetic acid-(4-formylanilide) see 4-Acetamidobenzaldehyde						
Acetic acid-gentian violet see Türk's solution						
Acetic acid-(4-mercaptoanilide) see 4-Acetamidothiophenol						
33214 **Acetic anhydride** R. G., Reag. ACS, Reag. Ph. Eur. I *Anhydride acétique / Anhídrido acético* A 8/21E C 8 1715 2 +54 °C $(CH_3CO)_2O$ $C_4H_6O_3$ M = 102,09 g/mol 1 L ≈ 1,08 kg assay ..... min. 98 % boiling range ..... 136—138 °C density (D_4^{20}) ..... 1,079—1,082 non-volatile matter ..... max. 0,003 % iron (Fe) ..... max. 0,0002 % heavy metals (as Pb) ..... max. 0,0002 % chloride (Cl) ..... max. 0,0002 % phosphate (PO_4) ..... max. 0,001 % sulphate (SO_4) ..... max. 0,0005 % $KMnO_4$ reducing substances (as O) ..... max. 0,01 % R: 10-34 S: 26 disposal: 21	FL. FL. FL. STP. STP. *2914*	500 ml 1 L 2,5 L 60 kg 5x	10,75 18,— 37,75 kg kg	9,15 15,30 31,35 5,80 5,30	8,60 14,40 29,45	8,30 13,85 28,30
27209 **Acetic anhydride** pure *Anhydride acétique / Anhídrido acético* A 8/21E C 8 1715 2 +54 °C $(CH_3CO)_2O$ $C_4H_6O_3$ M = 102,09 g/mol 1 L ≈ 1,08 kg assay ..... 98 % boiling range ..... 136—138 °C density (D_4^{20}) ..... 1,079—1,082 iron (Fe) ..... 0,0005 % heavy metals (as Pb) ..... 0,0005 % chloride (Cl) ..... 0,001 % sulphate (SO_4) ..... 0,001 % R: 10-34 S: 26 disposal: 21	FL. FL. STP. STP. *2914*	1 L 2,5 L 60 kg 5x	15,75 31,75 kg kg	13,40 26,35 4,80 4,35	12,60 24,75	12,15 23,80
09050 **Acetic anhydride-d_6** deuteration degree not less than 98 atom % D *Anhydride acétique-d_6 / Anhídrido acético-d_6* A 8/21E C 8 1715 2 $(CD_3CO)_2O$ $C_4D_6O_3$ M = 108,04 g/mol 1 L ≈ 1,15 kg R: 10-34 S: 26 disposal: 21	FL. *2851*	5 ml	166,—	141,10	132,80	124,50
Acetin (tri) see Glycerol triacetate						

refer explanations

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63589 A 3/4 C 3.3 1993 2 +61 °C	**Acetoacetaldehyde-1-dimethylacetal** PROSYNTH® *Acétoacétaldéhyde-1-diméthylacétal / Acetoacetaldehido-1-dimetilacetal* $CH_3COCH_2CH(OCH_3)_2$ $C_6H_{12}O_3$ $M = 132{,}16$ g/mol **1 L ≈ 0,99 kg** assay (GC) ..... 95% refractive index (n_D^{20}) ..... 1,414 R: 10 disposal: 14	FL. *2911*	100 ml	50,—	42,50	40,—	37,50
62004	**Acetoacetanilide** PROSYNTH® *Acétoacétanilide / Acetoacetanilida* $CH_3COCH_2CONHC_6H_5$ $C_{10}H_{11}NO_2$ $M = 177{,}20$ g/mol assay (ex N) ..... 98% melting range ..... 83—85 °C	PF. *2925*	1 kg	54,50	46,35	43,60	41,95
62005	α-**Acetobromoglucose** PROSYNTH®, stabilized with 2% calcium carbonate *α-Acétobromoglucose / α-Acetobromoglucosa* $CH_3COOCH_2CH(CHOCOCH_3)_3CHBrO$ $C_{14}H_{19}BrO_9$ $M = 411{,}21$ g/mol melting range ..... 87—89 °C spec. rotation ($[\alpha]_D^{20}$, c = 2 in $CHCl_3$) ..... +196° ± 2° keep in a deep freezer (-18 °C) à stocker au congélateur (à -18 °C) almacenaje en la nevera (-18 °C)	WG. *2943*	100 g	156,—	132,60	124,80	117,—
	Acetoin see 3-Hydroxybutanone-(2)						
	Acetonaphthone see 2-Acetylnaphthalene						
	Acetonaphthone-(2) see 2-Acetylnaphthalene						
32201 A 3/5 C 3.1 1090 2 -19 °C	**Acetone** R. G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I *Acétone / Acetona* CH_3COCH_3 C_3H_6O $M = 58{,}08$ g/mol **1 L ≈ 0,79 kg** assay (GC) ..... min. 99,5% boiling range ..... 55,5—56,5 °C density (D_4^{20}) ..... 0,790—0,792 non-volatile matter ..... max. 0,001% water (according to Karl Fischer) ..... max. 0,2% free acid (as CH_3COOH) ..... max. 0,002% free alkali (as NH_3) ..... max. 0,0008% aluminium (Al) ..... max. 0,00005% barium (Ba) ..... max. 0,00001% lead (Pb) ..... max. 0,000002% boron (B) ..... max. 0,000002% cadmium (Cd) ..... max. 0,000005% calcium (Ca) ..... max. 0,00005% chromium (Cr) ..... max. 0,000002% iron (Fe) ..... max. 0,00001% cobalt (Co) ..... max. 0,000001% copper (Cu) ..... max. 0,000002% magnesium (Mg) ..... max. 0,00001% manganese (Mn) ..... max. 0,000001% nickel (Ni) ..... max. 0,000002% zinc (Zn) ..... max. 0,000005% tin (Sn) ..... max. 0,00001% $KMnO_4$ red. matters (as O) ..... max. 0,0002% aldehydes (as HCHO) ..... max. 0,001% ethanol ..... max. 0,01% methanol ..... max. 0,05% propanol-(2) ..... max. 0,05% R: 11 S: 9-16-23-33 disposal: 5	FL. FL. EKL. EKL. EKL. *2913*	1 L 2,5 L 20 kg 5x 12x	16,— 33,— kg kg kg	13,60 27,40 6,70 6,20 5,95	12,50 25,75	11,85 24,75

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
34850	**Acetone** CHROMASOLV® for chromatography (UV-detection)	FL.	1 L	19,—	16,15	15,20	14,65
A 3/5	*Acétone / Acetona*	FL.	2,5 L	39,—	32,35	30,40	29,25
C 3.1 1090 2	CH_3COCH_3	*2913*					
-19 °C	C_3H_6O M = 58,08 g/mol **1 L ≈ 0,79 kg**						
	assay (GC) ..... min. 99,8 %						
	non-volatile matter ..... max. 0,0005 %						
	water (according to Karl Fischer) ..... max. 0,1 %						
	free acid (as CH_3COOH) ..... max. 0,002 %						
	transmittance (1 cm cell; reference water)						
	transmittance/wavelength (nm)						
	min. 15 %/330, min. 50 %/335,						
	min. 80 %/340, min. 98 %/from 350						
	R: 11 S: 9-16-23-33						
	disposal: 5						
34900	**Acetone** SPECTRANAL®	FL.	1 L	37,25	31,65	29,80	28,70
A 3/5	*Acétone / Acetona*	FL.	2,5 L	54,50	45,25	42,50	40,90
C 3.1 1090 2	CH_3COCH_3	*2913*					
-19 °C	C_3H_6O M = 58,08 g/mol **1 L ≈ 0,79 kg**						
	assay (GC) ..... 99,8 %						
	non-volatile matter ..... max. 0,0005 %						
	water (acc. to Karl Fischer) ..... max. 0,1 %						
	suitability for UV spectroscopy						
	transmittance (1 cm cell/reference:water)						
	transmittance/wavelength (nm): min. 20 %/330,						
	min. 60 %/335, min. 85 %/340,						
	min. 95 %/345, min. 98 %/from 350 suitability for IR spectroscopy ..... passes test						
	R: 11 S: 9-16-23-33						
	disposal: 5						
34480	**Acetone** PESTANAL®	FL.	1 L	16,25	13,80	13,—	12,50
A 3/5	*Acétone / Acetona*	FL.	2,5 L	32,—	26,55	24,95	24,—
C 3.1 1090 2	CH_3COCH_3	*2913*					
-19 °C	C_3H_6O M = 58,08 g/mol **1 L ≈ 0,79 kg**						
	assay (GC) ..... min. 99,8 %						
	non-volatile matter ..... max. 0,0005 %						
	water (according to Karl Fischer) ..... max. 0,1 %						
	suitability for residue analysis:						
	Traceable accompanying substances (GC/ECD) (column 0,5 m, glass capillary ∅ 3 mm Silicon TLC 200 on Chromosorb® 100/200) show in the retention volum zones between Pentachlorobenzene, α-HCH, Aldrin and DDT a peak of $<5 \cdot 10^{-10}$ % ≙ 5 ng/l.						
	R: 11 S: 9-16-23-33						
	disposal: 5						

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
17921 A 3/5 C 3.1 1090 2 -19 °C	**Acetone MOS** PURANAL® particle class 0 *Acétone / Acetona* CH_3COCH_3 C_3H_6O $M = 58{,}08$ g/mol **1 L ≈ 0,79 kg** assay (GC) ..... min. 99,5% boiling range ..... 55,5–56,5 °C density (D_4^{20}) ..... 0,790–0,792 non-volatile matter ..... max. 5 ppm water (according to Karl Fischer) ..... max. 2000 ppm free acid (as CH_3COOH) ..... max. 20 ppm free alkali (as NH_3) ..... max. 5 aluminium (Al) ..... max. 0,05 ppm antimony (Sb) ..... max. 0,01 ppm arsenic (As) ..... max. 0,01 ppm barium (Ba) ..... max. 0,1 ppm beryllium (Be) ..... max. 0,01 ppm lead (Pb) ..... max. 0,02 ppm boron (B) ..... max. 0,02 ppm cadmium (Cd) ..... max. 0,01 ppm calcium (Ca) ..... max. 0,2 ppm chromium (Cr) ..... max. 0,01 ppm iron (Fe) ..... max. 0,1 ppm gallium (Ga) ..... max. 0,02 ppm gold (Au) ..... max. 0,02 ppm indium (In) ..... max. 0,02 ppm potassium (K) ..... max. 0,1 ppm cobalt (Co) ..... max. 0,01 ppm copper (Cu) ..... max. 0,01 ppm lithium (Li) ..... max. 0,02 ppm magnesium (Mg) ..... max. 0,1 ppm manganese (Mn) ..... max. 0,01 ppm molybdenum (Mo) ..... max. 0,01 ppm sodium (Na) ..... max. 0,2 ppm nickel (Ni) ..... max. 0,01 ppm platinum (Pt) ..... max. 0,02 ppm silver (Ag) ..... max. 0,02 ppm strontium (Sr) ..... max. 0,02 ppm thallium (Tl) ..... max. 0,02 ppm titanium (Ti) ..... max. 0,01 ppm vanadium (V) ..... max. 0,01 ppm bismuth (Bi) ..... max. 0,02 ppm zinc (Zn) ..... max. 0,05 ppm tin (Sn) ..... max. 0,02 ppm zirconium (Zr) ..... max. 0,01 ppm chloride (Cl) ..... max. 0,1 ppm sulphate (SO_4) ..... max. 1 ppm matters reducing $KMnO_4$ (as O) ..... max. 2,5 ppm aldehydes (as HCHO) ..... max. 10 ppm ethanol (GC) ..... max. 100 ppm methanol (GC) ..... max. 500 ppm R: 11 S: 9-16-23-33 disposal: 5	FL. *2913*	**2,5 L**	price on request		

HYDRANAL® a new Karl Fischer reagent

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
17825 A 3/5 C 3.1 1090 2 -19 °C	**Acetone** PURANAL® *Acétone / Acetona* CH_3COCH_3 C_3H_6O $M = 58{,}08$ g/mol **1 L ≈ 0,79 kg** assay (GC) ..... min. 99,5% boiling range ..... 55,5—56,5 °C density (D_4^{20}) ..... 0,790—0,792 non-volatile matter ..... max. 5 ppm water (according to Karl Fischer) ..... max. 2000 ppm free acid (as CH_3COOH) ..... max. 20 ppm free alkali (as NH_3) ..... max. 5 ppm aluminium (Al) ..... max. 0,05 ppm antimony (Sb) ..... max. 0,01 ppm arsenic (As) ..... max. 0,01 ppm barium (Ba) ..... max. 0,1 ppm berryllium (Be) ..... max. 0,01 ppm lead (Pb) ..... max. 0,02 ppm boron (B) ..... max. 0,02 ppm cadmium (Cd) ..... max. 0,01 ppm calcium (Ca) ..... max. 0,2 ppm chromium (Cr) ..... max. 0,01 ppm iron (Fe) ..... max. 0,1 ppm gallium (Ga) ..... max. 0,02 ppm gold (Au) ..... max. 0,02 ppm indium (In) ..... max. 0,02 ppm potassium (K) ..... max. 0,1 ppm cobalt (Co) ..... max. 0,01 ppm copper (Cu) ..... max. 0,01 ppm lithium (Li) ..... max. 0,02 ppm magnesium (Mg) ..... max. 0,1 ppm manganese (Mn) ..... max. 0,01 ppm molybdenum (Mo) ..... max. 0,01 ppm sodium (Na) ..... max. 0,2 ppm nickel (Ni) ..... max. 0,01 ppm platinum (Pt) ..... max. 0,02 ppm silver (Ag) ..... max. 0,02 ppm strontium (Sr) ..... max. 0,02 ppm thallium (Tl) ..... max. 0,02 ppm titanium (Ti) ..... max. 0,01 ppm vanadium (V) ..... max. 0,01 ppm bismuth (Bi) ..... max. 0,02 ppm zinc (Zn) ..... max. 0,05 ppm tin (Sn) ..... max. 0,02 ppm zirconium (Zr) ..... max. 0,01 ppm chloride (Cl) ..... max. 0,1 ppm sulphate (SO_4) ..... max. 1 ppm matters reducing $KMnO_4$ (as O) ..... max. 2,5 ppm aldehyde (as HCHO) ..... max. 10 ppm ethanol (GC) ..... max. 100 ppm methanol (GC) ..... max. 500 ppm R: 11 S: 9-16-23-33 disposal: 5	FL. TS. *2913*	2,5 L 15 kg	price on request price on request			
24201 A 3/5 C 3.1 1090 2 -19 °C	**Acetone** chem. pure DAC *Acétone / Acetona* CH_3COCH_3 C_3H_6O $M = 58{,}08$ g/mol **1 L ≈ 0,79 kg** assay (GC) ..... 99,5% boiling range ..... 55,5—56,5 °C density (D_4^{20}) ..... 0,790—0,792 non-volatile matter ..... 0,001% water (according to Karl Fischer) ..... 0,2% free acid (as CH_3COOH) ..... 0,003% heavy metals (as Pb) ..... 0,0001% aldehydes (as HCHO) ..... 0,002% methanol (GC) ..... 0,05% red. matters $KMnO_4$ (as 0) ..... 0,0002% R: 11 S: 9-16-23-33 disposal: 5	FL. FL. EKL. EKL. EKL. EKL. *2913*	1 L 2,5 L 20 kg 5x 12x 24x	15,— 31,50 kg kg kg kg	12,75 26,15 5,— 4,75 4,60 4,45	11,70 24,55	11,10 23,65
09000 A 3/5 C 3.1 1090 2 -19 °C	**Acetone-d_6** deuteration degree not less than 99,5 atom% D *Acétone-d_6 / Acetona-d_6* CD_3COCD_3 C_3D_6O $M = 64{,}03$ g/mol **1 L ≈ 0,88 kg** R: 11 S: 9-16-23-33 disposal: 5	A. FL. *2851*	10 ml 100 ml	47,75 363,—	40,60 308,55	38,20 290,40	35,80 272,25

refer explanations

Code-Number) RID/ADR) GGVE/GGVS) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
09089 A 3/5 C 3.1 1090 2 19°C	**Acetone-d_6** deuteration degree not less than 99,8 atom %D *Acétone-d_6 / Acetona-d_6* CD_3COCD_3 C_3D_6O M = 64,03 g/mol **1 L ≈ 0,88 kg** R: 11 S: 9-16-23-33 disposal: 5	A. FL. *2851*	10 ml 100 ml	47,— 393,—	39,95 334,05	37,60 314,40	35,25 294,75
20801	○ **Acetone chloroform** Ph. Eur. I, B. P. 1973, Ph. Franç. IX U. S. P. XIX *Acétonechloroforme / Acetoncloroformo* $CCl_3COH(CH_3)_2 \cdot ½H_2O$ $C_4H_7Cl_3O \cdot ½H_2O$ M = 186,47 g/mol assay ..... 99,5% sulphated ash ..... 0,05% chloride (Cl) 0,0001%	PF. PF. FTP. *2904*	1 kg 5 kg 50 kg	59,50 price on request price on request	50,60	47,60	45,80
	Acetonenol acetate see *iso*-Propenyl acetate						
62008	**Acetone oxime** PROSYNTH® *Acétone oxime / Acetona óxima* $(CH_3)_2C=NOH$ C_3H_7NO M = 73,09 g/mol assay (ex N) ..... 98% melting range ..... 60—61 °C	WG. *2929*	100 g	36,—	30,60	28,80	27,—
09088 A 6.1/2B C 6.1 1648 2 +2°C	**Acetonitrile-d_3** deuteration degree not less than 99,8 atom %D *Acétonitrile-d_3 / Acetonitrilo-d_3* CD_3CN C_2D_3N M = 44,03 g/mol **1 L ≈ 0,78 kg** R: 11-23/24/25 S: 16-27-44 disposal: 15	A. *2851*	10 ml	116,50	99,05	93,20	87,40
34921 A 6.1/2B C 6.1 1648 2 +2°C	**Acetonitrile** SPECTRANAL® *Acétonitrile / Acetonitrilo* CH_3CN C_2H_3N M = 41,05 g/mol **1 L ≈ 0,78 kg** assay (GC) ..... min. 99,7% non-volatile matter ..... max. 0,0005% free acid (as CH_3COOH) ..... max. 0,001% water (according to Karl Fischer) .....max. 0,03% suitability for UV-spectroscopy transmittance (1 cm cell; reference: water) transmittance/wavelength (nm): min. 50%/200, min. 70%/210, min. 80%/220, min. 90%/230, min 95%/250, min. 97%/280, min. 98%/from 300 suitability for IR spectroscopy ..... passes test R: 11-23/24/25 S: 16-27-44 disposal: 15	FL. FL. *2927*	250 ml 1 L	20,— 66,50	17,— 56,55	16,— 53,20	15,— 51,20
34851 A 6.1/2B C 6.1 1648 2 +2°C	**Acetonitrile** CHROMASOLV® for chromatography (UV-detection) *Acétonitrile / Acetonitrilo* CH_3CN C_2H_3N M = 41,05 g/mol **1 L ≈ 0,78 kg** assay (GC) ..... min. 99,7% non-volatile matter ..... max. 0,0005% water (according to Karl Fischer) .....max. 0,03% free acid (as CH_3COOH) ..... max. 0,001% transmittance (1 cm cell; reference water) transmittance/wavelength (nm): min. 20%/195, min. 50%/210, min. 80%/220, min. 98%/from 300 R: 11-23/24/25 S: 16-27-44 disposal: 15	FL. *2927*	1 L	58,50	49,75	46,80	45,05

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
34481 A 6.1/2B C 6.1 1648 2 +2°C	**Acetonitrile PESTANAL®** *Acétonitrile / Acetonitrilo* CH_3CN C_2H_3N $M = 41{,}05$ g/mol **1 L ≈ 0,78 kg** assay (GC) ..... min. 99,8% non-volatile matter ..... max. 0,0005% water (according to Karl Fischer) ..... max. 0,05% suitability for residue analysis: Traceable accompanying substances (GC/ECD) (column 0,5 m, glass capillary Ø 3 mm Silicon TLC 200 on Chromosorb® 100/200) show in the retention volum zones between Pentachlorobenzene, α-HCH, Aldrin and DDT a peak of $< 5 \cdot 10^{-10}$% ≙ 5 ng/l. R: 11-23/24/25 S: 16-27-44 disposal: 15	FL. *2927*	1 L	42,75	36,35	34,20	32,90
60004 A 6.1/2B C 6.1 1648 2 +2°C	**Acetonitrile PROSYNTH®** *Acétonitrile / Acetonitrilo* CH_3CN C_2H_3N $M = 41{,}05$ g/mol **1 L ≈ 0,78 kg** assay (GC) ..... 99,5% boiling range ..... 80—82 °C refractive index (n_D^{20}) ..... 1,344 water (according to Karl Fischer) ..... 0,05% R: 11-23/24/25 S: 16-27-44 disposal: 15	FL. KA. *2927*	1 L 60 kg	19,75 price on request	16,80	15,80	15,20
09005 A 6.1/2B C 6.1 1648 2 +2°C	**Acetonitrile-d_3** deuteration degree not less than 99 atom% D *Acétonitrile-d_3 / Acetonitrilo-d_3* CD_3CN C_2D_3N $M = 44{,}03$ g/mol **1 L ≈ 0,78 kg** R: 11-23/24/25 S: 16-27-44 disposal: 15	A. *2851*	10 ml	74,50	63,35	59,60	55,90
	Acetonylacetone see 2,5-Hexanedione						
15007 105°C	**Acetophenone** pure *Acétophénone / Acetofenona* $C_6H_5COCH_3$ C_8H_8O $M = 120{,}15$ g/mol **1 L ≈ 1,03 kg** boiling range ..... 200—202 °C density (D_4^{20}) ..... 1,028—1,030 refractive index (n_D^{20}) ..... 1,5330—1,5340	FL. EKL. F. *2913*	1 L 30 kg 200 kg	23,— price on request price on request	19,55	18,40	17,70
	Acetotoluide see N-Methylacetanilide						
	4-Acetoxyacetanilide see O,N-Diacetyl-4-aminophenol						
	Acetoxy ethanol see Ethylene glycol						
	3-Acetoxyphenol see Resorcinol monoacetate						
33005 A 3/3 C 3.3 2310 3 +34°C	**Acetylacetone** R. G., Reag. Ph. Eur. I *Acétylacétone / Acetilacetona* $CH_3COCH_2COCH_3$ $C_5H_8O_2$ $M = 100{,}12$ g/mol **1 L ≈ 0,97 kg** assay (GC) ..... min. 99,5% boiling range ..... 137—140 °C density (D_4^{20}) ..... 0,975—0,977 refractive index (n_D^{20}) ..... 1,4520—1,4530 non-volatile matter ..... max. 0,005% R: 10 disposal: 6	FL. FL. *2913*	100 ml 250 ml	11,— 22,—	9,35 18,70	8,80 17,60	8,25 16,50

refer explanations

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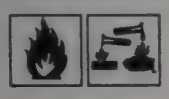
60006 A 3/3 C 3.3 2310 3 +34 °C	**Acetylacetone** PROSYNTH® *Acétylacétone / Acetilacetona* $CH_3COCH_2COCH_3$ $C_5H_8O_2$ *M* = 100,12 g/mol **1 L ≈ 0,97 kg** assay (GC) ..... 98% boiling range ..... 137—140 °C refractive index (n_D^{20}) ..... 1,452 R: 10 disposal: 6	FL. *2913*	1 L	43,75	37,20	35,—	32,80
	4-Acetylaminophenol see 4-Hydroxyacetanilide						
	Acetylanisoles see Methoxyacetophenones						
	Acetylbenzene see Acetophenone						
64360	**2-Acetylbenzoic acid** PROSYNTH® *Acide acétyl-2-benzoïque / Acido 2-acetilbenzóico* $C_9H_8O_3$ *M* = 164,16 g/mol assay (alkalimetric) ..... 99,5% boiling range ..... 115—118 °C	WG. *2916*	25 g	79,50	67,60	63,60	59,65
62009 A 8/22 C 8 1716 1	**Acetyl bromide** PROSYNTH® *Acétyle bromure / Acetilo bromuro* CH_3COBr C_2H_3BrO *M* = 122,95 g/mol **1 L ≈ 1,66 kg** assay (ex Br) ..... 99% boiling range ..... 75—77 °C R: 11-14-34 S: 9-16-26 disposal: 21	FL. *2914*	100 ml	24,—	20,40	19,20	18,—
63939 A 3/4 +85 °C	**2-Acetylbutyrolactone** PROSYNTH® *2-Acétylbutyrolactone / 2-Acetilbutirolactona* $OCH_2CH_2CH(COCH_3)CO$ $C_6H_8O_3$ *M* = 128,13 g/mol **1 L ≈ 1,19 kg** assay ..... 97% refractive index (n_D^{20}) 1,459	FL. *2935*	100 ml	19,75	16,80	15,80	14,80
60007 A 8/22 C 8 1717 1 +5 °C	**Acetyl chloride** PROSYNTH® *Acétyle chlorure / Acetilo cloruro* CH_3COCl C_2H_3ClO *M* = 78,50 g/mol **1 L ≈ 1,10 kg** assay (ex Cl) ..... 99% boiling range ..... 50—52 °C refractive index (n_D^{20}) ..... 1,389  R: 11-14-34 S: 9-16-26 disposal: 21	FL. FL. STP. *2914*	500 ml 1 L 60 kg	13,75 24,75 price on request	11,70 21,05	11,— 19,80	10,60 19,05
39172	**Acetylcholine chloride** BIOSYNTH® *Acétylcholine chlorure / Acetilcolina cloruro* $CH_3COOCH_2CH_2N(CH_3)_3Cl$ $C_7H_{16}ClNO_2$ *M* = 181,66 g/mol assay (ex Cl) ..... 99% melting range ..... 148—150 °C keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	WG. *2924*	100 g	41,50	35,30	33,20	31,15
39194	**Acetylcholine iodide** BIOSYNTH® *Acétylcholine iodure / Acetilcolina yoduro* $CH_3COOCH_2CH_2N(CH_3)_3J$ $C_7H_{16}JNO_2$ *M* = 273,11 g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	WG. *2924*	10 g	24,75	21,05	19,80	18,55

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64241	**Acetylcholinium bromide** PROSYNTH® *Acétylcholine bromure / Acetilcolina bromuro* $(CH_3)_3N(Br)CH_2CH_2OCOCH_3$ $C_7H_{16}BrNO_2$ $M = 226{,}11$ g/mol assay (ex Br) ..... 99% melting range ..... 140–143 °C	WG. *2924*	50 g	34,50	29,35	27,60	25,90
	Acetylcyclopropane see Cyclopropyl methyl ketone						
39046	**N-Acetyl-L-cysteine** BIOSYNTH® *N-Acétyl-L-cystéine / N-Acetil-L-cisteína* $HSCH_2CH(NHCOCH_3)COOH$ $C_5H_9NO_3S$ $M = 163{,}20$ g/mol assay (alkalimetric) ..... 99% melting range ..... 106–108 °C	PF. *2931*	100 g	77,50	65,90	62,–	58,15
	3-Acetyl-2(3H)-4,5 dihydrofurane see Acetylbutyrolactone						
	1-Acetyl-2,6-dihydroxybenzene see 2,6-Dihydroxyacetophenone						
	Acetylenecarboxylic acid see Propiolic acid						
	Acetylene dibromide see 1,2-Dibromoethylene						
62010	**Acetylenedicarboxylic acid** PROSYNTH® *Acide acétylènedicarboxylique / Acido acetilendicarboxílico* $HOCOC \equiv CCOOH$ $C_4H_2O_4$ $M = 114{,}06$ g/mol assay (alkalimetric) ..... 98% melting range ..... 179–181 °C (disint.)	WG. *2915*	25 g	49,25	41,85	39,40	36,95
62011	**Acetylenedicarboxylic acid monopotassium salt** PROSYNTH® *Acide acétylènedicarboxylique sel monopotassique / Acido acetilendicarboxílico sal monopotásica* $HOCOC \equiv CCOOK$ C_4HKO_4 $M = 152{,}15$ g/mol assay (alkalimetric) ..... 98% melting range ..... 194–195 °C (disint.)	PF. *2915*	100 g	65,50	55,70	52,40	49,15
	Acetylenedicarboxylic dimethylester see Dimethyl acetylenedicarboxylate						
	Acetylene dichloride see 1,2-Dichloroethylene						
	Acetylene tetrabromide see 1,1,2,2-Tetrabromoethane						
	Acetylene tetrachloride see 1,1,2,2-Tetrachloroethane						
63198	**Acetylferrocene** PROSYNTH® *Acétylferrocène / Acetilferroceno* $CH_3COC_5H_4FeC_5H_4CH=CH=CH$ $C_{12}H_{12}FeO$ $M = 228{,}08$ g/mol assay (UV) ..... 98% melting range ..... 81–83 °C log $\varepsilon_{/267}$ (*iso*-octane) 3,72	WG. *2934*	10 g	56,–	47,60	44,80	42,–
63199	**2-Acetylfluorene** PROSYNTH® *2-Acétylfluorène / 2-Acetilfluoreno* $CH_3COC_6H_3C_6H_4CH_2$ $C_{15}H_{12}O$ $M = 208{,}26$ g/mol assay (HPLC) 95%	WG. *2913*	10 g	54,50	46,35	43,60	40,90
	Acetylformic acid see Pyruvic acid						
39272	**N-Acetyl-D-galactosamine** BIOSYNTH® *N-Acétyl-D-galactosamine / N-Acetil-D-galactosamina* package of 100 mg $HOCH_2CH(CHOH)_2CH(NHCOCH_3)CH(OH)O$ $C_8H_{15}NO_6$ $M = 221{,}21$ g/mol	*2923*	1 pack	22,25	18,90	17,80	16,70

refer explanations

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39122	**N-Acetyl-D-glucosamine** BIOSYNTH® *N-Acétyl-D-glucosamine / N-Acetil-D-glucosamina* $HOCH_2\underline{CH(CHOH)_2CH(NHCOCH_3)CH(OH)O}$ $C_8H_{15}NO_6$ $M = 221{,}21$ g/mol melting range ..... 209—211 °C specific rotation ($[\alpha]_D^{20}$; c=4 in H_2O) ..... +40,5° ±1° keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	WG. *2925*	25 g	84,—	71,40	67,20	63,—
64229	**N-Acetyl-DL-homocysteine thiolactone** PROSYNTH® *N-Acétyl-DL-homocystéine thiolactone / N-Acetil-DL-homocisteína tiolactona* $\underline{SCH_2CH_2CH(NHCOCH_3)CO}$ $C_6H_9NO_2S$ $M = 159{,}21$ g/mol assay ..... 99% melting range ..... 109—111 °C	WG. *2931*	25 g	16,—	13,60	12,80	12,—
39104	**1-Acetylimidazole** BIOSYNTH® *Acétyl-1-imidazole / 1-Acetilimidazol* $\underline{CH=NCH=CHN}COCH_3$ $C_5H_6N_2O$ $M = 110{,}12$ g/mol	WG. *2935*	10 g	20,50	17,45	16,40	15,40
64222	**1-Acetyl-3-indolaldehyde** PROSYNTH® *1-Acétyl-3-indolaldéhyde / 1-Acetil-3-indolaldehido* $\underline{C_6H_4N(COCH_3)CH=C}CHO$ $C_{11}H_9NO_2$ $M = 187{,}20$ g/mol assay (ex N) 97%	WG. *2935*	10 g	31,25	26,55	25,—	23,45
64228	**3-Acetylindole** PROSYNTH® *Acétyl-3-indole / 3-Acetilindol* $\underline{C_6H_4NHCH=C}COCH_3$ $C_{10}H_9NO$ $M = 159{,}19$ g/mol assay (ex N) ..... 98% melting range ..... 188—190 °C	WG. *2935*	5 g	32,—	27,20	25,60	24,—
39242	**N-Acetyl-L-leucine** BIOSYNTH® *N-Acétyl-L-leucine / N-Acetil-L-leucina* $(CH_3)_2CHCH_2CH(NHCOCH_3)COOH$ $C_8H_{15}NO_3$ $M = 173{,}21$ g/mol	WG. *2923*	10 g	24,—	20,40	19,20	18,—
39045	**N-Acetyl-DL-methionine** BIOSYNTH® *N-Acétyl-DL-méthionine / N-Acetil-DL-metionina* $CH_3SCH_2CH_2CH(NHCOCH_3)COOH$ $C_7H_{13}NO_3S$ $M = 191{,}25$ g/mol melting range ..... 113—115 °C	WG. *2931*	100 g	24,—	20,40	19,20	18,—
39190	**N-Acetyl-L-methionine** BIOSYNTH® *N-Acétyl-L-méthionine / N-Acetyl-L-metionina* $CH_3SCH_2CH_2CH(NHCOCH_3)COOH$ $C_7H_{13}NO_3S$ $M = 191{,}25$ g/mol	WG. *2931*	5 g	31,75	27,—	25,40	23,80
	Acetylmethylcarbinol see 3-Hydroxybutanone-(2)						
64217	**2-Acetyl-N-methylpyrrole** PROSYNTH® *2-Acétyl-N-méthylpyrrole / 2-Acetil-N-metilpirrol* $CH_3\underline{NC(OCCH_3)=CHCH=C}H$ C_7H_9NO $M = 123{,}15$ g/mol 1 L ≈ 1,05 kg assay (GC) ..... 98% boiling range ..... 199—202 °C refractive index (n_D^{20}) 1,542	FL. *2935*	5 ml	31,25	26,55	25,—	23,45
62013	**4-Acetylmorpholine** PROSYNTH® *4-Acétylmorpholine / 4-Acetilmorfolina* $CH_3CO\underline{NCH_2CH_2OCH_2CH_2}$ $C_6H_{11}NO_2$ $M = 129{,}16$ g/mol 1 L ≈ 1,12 kg assay (ex N) ..... 98% boiling range (at 3 mbar) ..... 84—87 °C refractive index (n_D^{20}) 1,483	FL. *2935*	100 ml	28,50	24,25	22,80	21,40

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62015	**2-Acetylnaphthalene** PROSYNTH® *2-Acétylnaphtalène / 2-Acetilnaftaleno* $CH_3COC_{10}H_7$ $C_{12}H_{10}O$ *M* = 170,21 g/mol assay (GC) ..... 99% melting range ..... 53-55 °C	PF. *2913*	100 g	27,25	23,15	21,80	20,45
39047	**N-Acetylneuramic acid** (NANA) BIOSYNTH® *Acide N-acétylneuramique (NANA) / Acido N-acetilneurámico (NANA)* $HOCH_2(CHOH)_2\underline{CHCH(NHCOCH_3)CH(OH)CH_2(OH)(COOH)O}$ $C_{11}H_{19}NO_9$ *M* = 309,27 g/mol melting range ..... 184—186°(disint.) specific rotation ($[\alpha]_D^{20}$; c = 1 in H_2O) ..... −36° ± 1° package of 100 mg	*2943*	1 pack	136,50	116,05	109,20	102,40
63200	**3-Acetylphenanthrene** PROSYNTH® *3-Acétylphénanthrène / 3-Acetilfenantreno* $\underline{C_6H_4CH=CHC_6H_3}COCH_3$ $C_{16}H_{12}O$ *M* = 220,27 g/mol assay (UV) ..... 98% melting range ..... 69—71 °C log ε/252 (C_2H_5OH) 4,61	WG. *2913*	10 g	75,50	64,20	60,40	56,65
62016 A 3/3 C 3.3 1988 2 +41 °C	**2-Acetylpyridine** PROSYNTH® *2-Acétylpyridine / 2-Acetilpiridina* $\underline{N=C(COCH_3)CH=CHCH=CH}$ C_7H_7NO *M* = 121,14 g/mol **1 L ≈ 1,07 kg** assay (GC) ..... 98% boiling range ..... 189—192 °C refractive index (n_D^{20}) ..... 1,521 R: 10 disposal: 19	FL. *2935*	10 ml	25,25	21,45	20,20	18,95
62017 A 3/3 C 3.3 1988 2 +30 °C	**3-Acetylpyridine** PROSYNTH® *3-Acétylpyridine / 3-Acetilpiridina* $\underline{N=CHC(COCH_3)=CHCH=CH}$ C_7H_7NO *M* = 121,14 g/mol **1 L ≈ 1,10 kg** assay (GC) ..... 99% congealing range ..... 11—13 °C refractive index (n_D^{20}) ..... 1,534 store in a cool, dark area stocker à l'abri de la chaleur et de la lumière almacenaje en lugar frio y protejido contra la luz R: 10 disposal: 19	FL. *2935*	100 ml	137,50	116,90	110,—	103,15
62018 A 3/3 C 3.3 1988 2 +51 °C	**4-Acetylpyridine** PROSYNTH® *4-Acétylpyridine / 4-Acetilpiridina* $\underline{N=CHCH=C(COCH_3)CH=CH}$ C_7H_7NO *M* = 121,14 g/mol **1 L ≈ 1,10 kg** assay (GC) ..... 98% congealing range ..... 14—16 °C refractive index (n_D^{20}) ..... 1,528 store in a cool, dark area stocker à l'abri de la chaleur et de la lumière almacenaje en lugar frio y protejido contra la luz R: 10 disposal: 19	FL. *2935*	100 ml	182,—	154,70	145,60	136,50
64210	**2-Acetylpyrrole** PROSYNTH® *2-Acétylpyrrole / 2-Acetilpirrol* $CH_3\underline{COC=CHCH=CHNH}$ C_6H_7NO *M* = 109,13 g/mol assay ..... 97% melting range ..... 86—88 °C	WG. *2935*	5 g	34,50	29,35	27,60	25,90

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20902	**Acetylsalicylic acid** granulated DT, Ph. Eur. I, B.P. 1973, Ph. Franç. IX, U.S.P. XIX *Acide acétylsalicylique / Acido acetilsalicilico* $HOOCC_6H_8OCOCH_3$ $C_9H_8O_4$ $M = 180{,}16$ g/mol assay (dried substance) 99,5–100,5%	PF. PF. FTP. *2916*	1 kg 5 kg 50 kg	24,– 90,–	20,40 74,70 price on request	19,20 70,20	18,50 67,50
20802	**Acetylsalicylic acid** cryst. 20/38, Ph. Eur. I, B. P. 1973, Ph. Franç. IX, U. S. P. XIX *Acide acétylsalicylique / Acido acetilsalicilico* $HOOCC_6H_4OCOCH_3$ $C_9H_8O_4$ $M = 180{,}16$ g/mol assay (dried substance) 99,5–100,5%	PF. PF. FTP. *2916*	1 kg 5 kg 50 kg	24,– 90,–	20,40 74,70 price on request	19,20 70,20	18,50 67,50
20900	**Acetylsalicylic acid** cryst. 20/100, Ph. Eur. I, B. P. 1973, Ph. Franç. IX, U. S. P. XIX *Acide acétylsalicylique / Acido acetilsalicilico* $HOOCC_6H_8OCOCH_3$ $C_9H_8O_4$ $M = 180{,}16$ g/mol assay (dried substance) 99,5–100,5%	PF. PF. FTP. *2916*	1 kg 5 kg 50 kg	24,– 90,–	20,40 74,70 price on request	19,20 70,20	18,50 67,50
20901	**Acetylsalicylic acid** finest powder, Ph. Eur. I, B. P. 1973, Ph. Franç. IX, U. S. P. XIX *Acide acétilsalicylique / Acido acetilsalicilico* $HOOCC_6H_8OCOCH_3$ $C_9H_8O_4$ $M = 180{,}16$ g/mol assay (dried substance) 99,5–100,5%	PF. PF. FTP. *2916*	1 kg 5 kg 50 kg	24,75 95,50	21,05 79,25 price on request	19,80 74,50	19,05 71,65
64436 A 6.1/21 C 8 ./. 3	**Acetylsalicyloyl chloride** PROSYNTH® *Acide acétylsalicylique chlorure / Acido acetilsalicílico cloruro* $CH_3COOC_6H_4COCl$ $C_9H_7ClO_3$ $M = 198{,}61$ g/mol assay (ex Cl) ..... 98% melting range ..... 46–49 °C	WG. *2916*	25 g	53,50	45,50	42,80	40,15
39195	**Acetylthiocholine bromide** BIOSYNTH® *Acétylthiocholine bromure / Acetiltiocolina bromuro* $CH_3COSCH_2CH_2N(CH_3)_3Br$ $C_7H_{16}BrNOS$ $M = 242{,}18$ g/mol	FL. *2931*	1 g	53,–	45,05	42,40	39,75
39097	**Acetylthiocholinium iodide** BIOSYNTH® *Acétylthiocholinium iodure / Acetiltiocolinio yoduro* $CH_3COSCH_2CH_2N(CH_3)_3$ $C_7H_{16}JNOS$ $M = 289{,}18$ g/mol keep in refrigerator à sticker dans le frigidaire kalmacenaje en la neveral*	WG. *2931*	5 g	40,50	34,45	32,40	30,40
65159 A 6.1/22 C 3.3 1992 2	**2-Acetylthiophen** PROSYNTH® *2-Acétylthiophène / 2-Acetiltiofeno* $SCH=CHCH=COCCH_3$ C_6H_6OS $M = 126{,}18$ g/mol **1 L ≈ 1,17 kg** assay (GC) ..... 98% boiling range ..... 212–214 °C refractive index (n_D^{20}) 1,566	FL. *2935*	100 ml	53,–	45,05	42,40	39,75
	Acetyltributylcitrate see Citroflex A 4						
39048	**N-Acetyl-DL-tryptophan** BIOSYNTH® *N-Acétyl-DL-tryptophane / N-Acetil-DL-triptófano* $C_6H_4NHCH=CCH_2CH(NHCOCH_3)COOH$ $C_{13}H_{14}N_2O_3$ $M = 246{,}27$ g/mol assay (alkalimetric) ..... 99% melting range ..... 205–207 °C	WG. *2935*	25 g	31,75	27,–	25,40	23,80

PANPEHA® universal indicator paper in strips

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39098	**N-Acetyl-L-tyrosine ethyl ester monohydrate** BIOSYNTH® *Ethyle N-acétyle-L-tyrosinate monohydraté / Etilo N-acetil-L-tirosinato monohidrato* $HOC_6H_4CH_2CH(NHCOCH_3)COOC_2H_5 \cdot H_2O$ $C_{13}H_{17}NO_4 \cdot H_2O$ $M = 269{,}30$ g/mol assay (ex N) 98%	WG. 2923	5 g	33,25	28,25	26,60	24,95
	Acid green 5 see Light Green SF yellow						
63201	***trans*-Aconitic acid** PROSYNTH® *Acide trans-aconitique / Acido trans-aconítico* $HOOCCH=C(COOH)CH_2COOH$ $C_6H_6O_6$ $M = 174{,}11$ g/mol assay (alkalimetric) ..... 99% melting range ..... 189–191 °C (disint.)	WG. 2915	25 g	31,75	27,—	25,40	23,80
64209	***cis*-Aconitine** PROSYNTH® *cis-Aconitine / cis-Aconitina* $HOOCCH=C(COOH)CH_2COOH$ $C_6H_6O_6$ $M = 174{,}11$ g/mol assay (alkalimetric) ..... 99% melting range ..... 124–127 °C keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	FL. 2915	1 g	63,—	53,55	50,40	47,25
64208 A 6.1/21 C 6.1 2811 2	**Acridanone** PROSYNTH® *Acridanone / Acridanona* $C_6H_4COC_6H_4NH$ $C_{13}H_9NO$ $M = 195{,}22$ g/mol assay 98%	WG. 2935	5 g	23,75	20,20	19,—	17,80
62020	**Acridine** PROSYNTH® *Acridine / Acridina* $C_6H_4CH=C_6H_4=N$ $C_{13}H_9N$ $M = 179{,}22$ g/mol assay (HPLC) ..... 98% melting range ..... 107–109 °C	WG. 2935	25 g	101,50	86,30	81,20	76,15
32622	**Acridine orange** (C. I. No. 46005, S. No. 902) for microscopy *Orangé d'acridine / Naranja de acridina*	WG. 3205	25 g	40,—	34,—	32,—	30,—
64212	**Acridinium chloride** PROSYNTH® *Acridine chlorhydrate / Acridina clorhidrato* $C_{13}H_{10}ClN$ $M = 215{,}68$ g/mol assay 98%	WG. 2935	5 g	36,75	31,25	29,40	27,55
20920	**Acriflavine chloride** N. F. X, Ph. Nord. 1963 *Acriflavine chlorure / Acriflavina cloruro* $2C_{14}H_{14}N_3Cl \cdot C_{13}H_{12}N_3Cl \cdot xH_2O$ M = (anhydrous) 765,19 g/mol assay (for dry substance, as $C_{14}H_{14}N_3Cl$) ..... 93% chloride (for dry substance) ..... 13,3–15,8% loss on drying (105 °C, 2 h) ..... 6% sulphated ash 3,5%	PF. 2935	1 kg	377,—			
20921	**Acriflavine hydrochloride** B. P. C. 1963, N. F. X *Acriflavine chlorhydrate / Acriflavina clorhidrato* $2C_{14}H_{15}N_3Cl_2 \cdot C_{13}H_{13}N_3Cl_2 \cdot xH_2O$ M = (anhydrous) 874,57 g/mol assay (for dry substance, as $C_{14}H_{15}N_3Cl_2$, titration with iron(III) cyanide) ..... 98,5% chloride (for dry substance) ..... 23,0–24,5% loss on drying (105 °C, 1 h) ..... 6,5% sulphated ash 1%	PF. 2935	1 kg	355,—			

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60008 A 3/1A C 3.1 1092 1 -20 °C	**Acrolein** PROSYNTH® stabilized with hydroquinone (2g/l) *Acroléine / Acroleína* $CH_2=CHCHO$ C_3H_4O $M = 56{,}06$ g/mol **1 L ≈ 0,84 kg** assay (GC) ..... 95% boiling range ..... 51—53 °C keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 11-23-36/37/38 S: 29-33-44 disposal: 14	FL. *2911*	**500 ml**	15,75	13,40	12,60	12,15
64207 A 3/1A C 3.2 1988 2 +15 °C	**Acrolein diethyl acetal** PROSYNTH® stabilized with 1% CaO *Acroléine diéthylacétal / Acroleína dietilacetal* $CH_2=CHCH(OCH_2CH_3)_2$ $C_7H_{14}O_2$ $M = 130{,}19$ g/mol **1 L ≈ 0,85 kg** assay (GC) ..... 95% boiling range ..... 120—125 °C refractive index (n_D^{20}) ..... 1,398 R: 11 S: 9-16-33 disposal: 6	FL. *2910*	**25 ml**	26,25	22,30	21,—	19,70
62021 A 6.1/21 C 6.1 2074 3	**Acrylamide** PROSYNTH® *Acrylamide / Acrilamida* $CH_2=CHCONH_2$ C_3H_5NO $M = 71{,}08$ g/mol assay (ex N) ..... 98% melting range ..... 82—84 °C R: 23/24/25-33 S: 27-44 disposal: 6	PF. *2925*	**1 kg**	34,—	28,90	27,20	26,20
62023 A 8/21D C 8 2218 2 +54 °C	**Acrylic acid** PROSYNTH® stabilized with hydroquinone monomethyl ether (50 mg/l) *Acide acrylique / Acido acrílico* $CH_2=CHCOOH$ $C_3H_4O_2$ $M = 72{,}06$ g/mol **1 L ≈ 1,05 kg** assay (alkalimetric) ..... 99% congealing range ..... 12—14 °C R: 10-34 S: 26-36 disposal: 21	FL. *2914*	**1 L**	29,50	25,10	23,60	22,70
	Acrylic acid-(2-hydroxy-ethyl)-ester see 2-Hydroxyethyl acrylate						
62022 A 6.1/2A C 3.1 1093 1 -1 °C	**Acrylonitrile** PROSYNTH® *Acrylonitrile / Acrilonitrilo* $CH_2=CHCN$ C_3H_3N $M = 53{,}06$ g/mol **1 L ≈ 0,80 kg** assay (GC) ..... 99% boiling range ..... 76—78 °C refractive index (n_D^{25}) ..... 1,389 R: 11-23/24/25 S: 9-16-27-29-44 disposal: 15	ALU. *2927*	**1 L**	20,25	17,20	16,20	15,60
	Acryloyl chloride see Acrylic acid chloride						
62027	**Adamantane** PROSYNTH® *Adamantane / Adamantano* $C_{10}H_{16}$ $M = 136{,}24$ g/mol assay (GC) ..... 98% melting range ..... 266—268 °C	WG. *2901*	**10 g**	13,25	11,25	10,60	9,95
64202	**1-Adamantaneacetic acid** PROSYNTH® *Acide 1-adamantaneacétique / Acido 1-adamantanoacético* $C_{12}H_{18}O_2$ $M = 194{,}27$ g/mol assay (alkalimetric) ..... 98% melting range ..... 130—133 °C	FL. *2914*	**1 g**	19,25	16,35	15,40	14,45

PEHANAL® universal indicator paper in rolls

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64216	**1-Adamantaneammonium chloride** PROSYNTH® *Adamantane-1-amine chlorure / 1-Adamantanamonio cloruro* $C_{10}H_{18}ClN$ *M* = 187,71 g/mol assay (ex Cl) ..... 99% store in a cool, dark area stocker à l'abri de la chaleur et de la lumière almacenaje en lugar frio y protejido contra la luz	WG. *2922*	10 g	35,—	29,75	28,—	26,25
64667 A 6.1/21A C 6.1 2811 2	**1-Adamantanecarbonitrile** PROSYNTH® *Adamantanecarbonitrile-1 / 1-Adamantancarbonítrilo* $C_{11}H_{15}N$ *M* = 161,25 g/mol assay (ex N) 98%	WG. *2927*	10 g	110,50	93,95	88,40	82,90
62028	**1-Adamantanecarboxylic acid** PROSYNTH® *Acide 1-adamantanecarboxylique / Acido 1-adamantancarboxílico* $C_{11}H_{16}O_2$ *M* = 180,25 g/mol assay (alkalimetric) ..... 98% melting range ..... 172—174 °C	WG. *2914*	10 g	32,75	27,85	26,20	24,55
64547	**1-Adamantanol** PROSYNTH® *Adamantanol-1 / 1-Adamantanol* $C_{10}H_{16}O$ *M* = 152,24 g/mol assay (GC) ..... 99% melting range ..... 239—242 °C	WG. *2905*	10 g	32,75	27,85	26,20	24,55
39475	**1-Adamantyl fluoroformate** BIOSYNTH® *Adamantyle-1-fluoroformate / 1-Adamantilo fluoroformato* $FCOOC_{10}H_{15}$ $C_{11}H_{15}FO_2$ *M* = 198,24 g/mol	WG. *2914*	10 g	42,—	35,70	33,60	31,50
39173	**Adenine** BIOSYNTH® *Adénine / Adenina* $C_5H_5N_5$ *M* = 135,13 g/mol assay (UV) ..... 99% log $\varepsilon_{/262}$ (HCl 0,1 mol/l) 4,112	WG. *2935*	10 g	24,—	20,40	19,20	18,—
	Adeninedeoxyriboside see 2'-Deoxyadenosine						
39224	**Adenine sulphate** BIOSYNTH® *Adénine sulfate / Adenina sulfato* $C_{10}H_{12}N_{10}O_4S$ *M* = 368,33 g/mol assay (ex N) ..... 99% keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	WG. *2935*	10 g	56,50	48,05	45,20	42,40
39225	**Adenosine** BIOSYNTH® *Adénosine / Adenosina* $C_{10}H_{13}N_5O_4$ *M* = 267,24 g/mol assay (ex N) ..... 99,5% log $\varepsilon_{/259}$ (buffer pH 7,0) ..... 4,183 specific rotation ($[\alpha]_D^{20}$; c = 0,7 in H_2O) ..... −60,4° ± 3°	WG. *2935*	10 g	23,25	19,75	18,60	17,45
39273	**Adenosine-3',5'-cyclophosphoric acid** BIOSYNTH® *Acide adénosinecyclophosphorique-3'-5' / Acido adenosín-3',5'-ciclofosfórico* package of 100 mg $C_{10}H_{12}N_5O_6P$ *M* = 329,21 g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	*2935*	1 pack	23,—	19,55	18,40	17,25
39269	**Adenosine-2'-monophosphoric acid** BIOSYNTH® *Acide adénosin-2-monophosphorique / Acido adenosín-2'-monofosfórico* package of 250 mg $C_{10}H_{14}N_5O_7P$ *M* = 347,22 g/mol	*2919*	1 pack	34,—	28,90	27,20	25,50

refer explanations

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39270	**Adenosine-3'-monophosphoric acid** BIOSYNTH® *Acide adénosin-3*-monophosphorique / *Acido adenosín-3*-monofosfórico package of 250 mg $C_{10}H_{14}N_5O_7P$ $M = 347{,}22$ g/mol	*2919*	1 pack	34,—	28,90	27,20	25,50
39185	**Adenosine-5'-triphosphoric acid** BIOSYNTH® *Acide adénosine-5'-triphosphorique / Acido adenosín-5'-trifosfórico* $C_{10}H_{16}N_5O_{13}P_3$ $M = 507{,}18$ g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	FL. *2935*	1 g	34,—	28,90	27,20	25,50
39208	**Adenosine-5'-triphosphoric acid disodium salt** BIOSYNTH® *Acide adénosine-5'-triphosphorique sel disodique / Acido adenosin-5'-trifosfórico, sal disódica* $C_{10}H_{14}N_5Na_2O_{13}P_3$ $M = 551{,}15$ g/mol assay (ex P) ..... 98% keep in a deep freezer (—18 °C) à stocker au congélateur (à —18 °C) almacenaje en la nevera (—18 °C)	FL. *2935*	1 g	8,75	7,45	7,—	6,55
	2-Adenylic acid see Adenosine-2'-monophosphoric acid						
	3-Adenylic acid see Adenosine-3'-monophosphoric acid						
27635	**Adipic acid** (max. 0,0005% Cl) *Acide adipique / Acido adípico* $HOOC(CH_2)_4COOH$ $C_6H_{10}O_4$ $M = 146{,}14$ g/mol assay ..... 99,8% melting range ..... 151—153 °C sulphated ash ..... 0,01% iron (Fe) ..... 0,0001% chloride (Cl) 0,0003%	PF. PF. S. S. *2915*	500 g 2,5 kg 25 kg 5x	10,50 38,25 kg kg	8,95 31,75 6,80 6,30	8,40 29,85	8,10 28,70
02880	**Adipic acid bis-(2,4,6-tribromoanilide)** *Acide adipique bis-(2-4-6-tribromoanilide) / Acido adípico bis-(2,4,6-tribromoanilida)* $Br_3C_6H_2NHCO(CH_2)_4CONHC_6H_2Br_3$ $C_{18}H_{14}Br_6N_2O_2$ $M = 769{,}74$ g/mol assay of bromine ..... 61—63% melting range ..... 309—310 °C (disint.)	PF. *2915*	1 kg	price on request			
	Adipic acid dichloride see Adipoyl dichloride						
	Adipic acid dinitrile see Adipodinitrile						
62031 A 6.1/21 C 6.1 1935 1	**Adipodinitrile** PROSYNTH® *Adipodinitrile / Acido adípico dinitrilo* $NC(CH_2)_4CN$ $C_6H_8N_2$ $M = 108{,}14$ g/mol **1 L ≈ 0,95 kg** assay (GC) ..... 99% congealing range ..... 1—2 °C boiling range (at 15 mbar) ..... 160—162 °C refractive index (n_D^{20}) ..... 1,438 R: 23/24/25 S: 44 disposal: 15	FL. *2927*	250 ml	22,—	18,70	17,60	16,50
62030 A 8/22 C 8 1760 2	**Adipoyl dichloride** PROSYNTH® *Adipoyle dichlorure / Acido adípico dicloruro* $ClCO(CH_2)_4COCl$ $C_6H_8Cl_2O_2$ $M = 183{,}03$ g/mol **1 L ≈ 1,26 kg** assay (ex Cl) ..... 98% boiling range (at 16 mbar) ..... 124—126 °C density (D_4^{20}) ..... 1,255 refractive index (n_D^{20}) 1,471	FL. *2915*	100 ml	44,—	37,40	35,20	33,—

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39127	**Adonitol**(ribitol) BIOSYNTH® *Adonitol (ribitol) / Adonita (ribitol)* $HOCH_2(CHOH)_3CH_2OH$ $C_5H_{12}O_5$ $M = 152{,}15$ g/mol melting range ..... 102—103 °C	WG. *2904*	10 g	109,—	92,65	87,20	81,75
39499	**Adrenosterone** BIOSYNTH® *Adrénostérone / Adrenoesterona* $C_{19}H_{24}O_3$ $M = 300{,}40$ g/mol	FL. *2913*	1 g	28,25	24,—	22,60	21,20
	Ae... see E...						
33007	**Agar Agar** shreds for bacteriology *Agar Agar / Agar Agar*	P. P. *1303*	250 g 1 kg	70,— 236,—	59,50 200,60	56,— 188,80	52,50 181,70
33008	**Agar Agar** fine powder for bacteriology *Agar Agar / Agar Agar*	PF. PF. PF. *1303*	100 g 250 g 1 kg	32,50 74,— 247,—	27,65 62,90 209,95	26,— 59,20 197,60	24,40 55,50 190,20
18702	**Agar Agar** shreds DAB 6 *Agar Agar / Agar Agar*	P. P. *1303*	250 g 1 kg	65,50 220,—	55,70 187,—	52,40 176,—	49,15 169,40
18701	**Agar Agar** finest powder, DAB 6 *Agar Agar / Agar Agar*	PF. PF. *1303*	250 g 1 kg	65,— 218,—	55,25 185,30	52,— 174,40	48,75 167,85
35874	**Alachlor** min. 99% PESTANAL® (2-Chloro-2',6'-diethyl-N-[methoxymethyl]-acetanilide) $CH_3CH_2C{=}CHCH{=}CHC(CH_2CH_3){=}CN(COCH_2Cl)CH_2OCH_3$ $C_{14}H_{20}ClNO_2$ $M = 269{,}77$ g/mol	FL. *2925*	1 g	35,—	29,75	28,—	26,25
39004	**D(–)-Alanine** BIOSYNTH® *D(–)-Alanine / D(–)-Alanina* $CH_3CH(NH_2)COOH$ $C_3H_7NO_2$ $M = 89{,}09$ g/mol assay (ex N) ..... 99% specific rotation ($[\alpha]_D^{20}$; c = 10 in 6 HCl 6 mol/l) ..... $-14{,}2° \pm 0{,}7°$	WG. *2923*	5 g	38,75	32,95	31,—	29,05
39003	**DL-Alanine** BIOSYNTH® *DL-Alanine / DL-Alanina* $CH_3CH(NH_2)COOH$ $C_3H_7NO_2$ $M = 89{,}09$ g/mol assay (ex N) ..... 99% melting range ..... 295—296 °C (disint.)	PF. *2923*	100 g	14,75	12,55	11,80	11,05
39002	**L(+)-Alanine** BIOSYNTH® *L(+)-Alanine / L(+)-Alanina* $CH_3CH(NH_2)COOH$ $C_3H_7NO_2$ $M = 89{,}09$ g/mol assay (ex N) ..... 99% specific rotation ($[\alpha]_D^{20}$; c = 10 in HCl 6 mol/l) ..... $+14{,}2° \pm 0{,}7°$	WG. *2923*	10 g	11,25	9,55	9,—	8,45
39001	**β-Alanine** BIOSYNTH® *β-Alanine / β-Alanina* $NH_2CH_2CH_2COOH$ $C_3H_7NO_2$ $M = 89{,}09$ g/mol assay (ex N) ..... 99% melting range ..... 207—209 °C	PF. *2923*	250 g	31,25	26,55	25,—	23,45
39286	**L-Alanylglycine** BIOSYNTH® *L-Alanylglycine / L-Alanilglicina* $CH_3CH(NH_2)CONHCH_2COOH$ $C_5H_{10}N_2O_3$ $M = 146{,}15$ g/mol	FL. *2923*	1 g	43,75	37,20	35,—	32,80

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39404	**DL-Alanyl-DL-norvaline** BIOSYNTH® *DL-Alanyl-DL-norvaline / DL-Alanil-DL-norvalina* $CH_3CH(NH_2)CONHCH(COOH)CH_2CH_2CH_3$ $C_8H_{16}N_2O_3$ $M = 188{,}23$ g/mol	WG. *2923*	1 g	37,25	31,65	29,80	27,95
39281	**Albumin** BIOSYNTH® origin: bovine blood *Albumine (origine: sang bovin) / Albúmina (de sangre bovina)* keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	WG. *3502*	5 g	39,25	33,35	31,40	29,45
18801	**Albumin** from eggs Erg. B. 6 *Albumine / Albúmina*	PF. *3502*	250 g 1 kg	27,25 91,50	23,15 77,80	21,80 73,20	20,45 70,45
	Alcohol see Ethanol						
	Aldehydes (various) see under the name of the Aldehyde						
64334	**Aldoldimethylacetal** PROSYNTH® *Aldoldiméthylacétal / Aldoldimetilacetal* $CH_3CH(OH)CH_2CH(OCH_3)_2$ $C_6H_{14}O_3$ $M = 134{,}17$ g/mol 1 L ≈ 0,98 kg	FL. *2910*	50 ml	31,—	26,35	24,80	23,25
35700 A 6.1/81B C 6.1 1542 2	**Aldrin** (HHDN) min. 90% PESTANAL® (1,2,3,4,10,10-Hexachlor-1,4,4a,5,8,8a-hexahydro-1,4-endo-5,8-exodimethanonaphthalene) *Aldrine (HHDN) / Aldrina (HHDN)* $C_{12}H_8Cl_6$ $M = 364{,}91$ g/mol R: 23/24/25 S: 2-13-28-45 disposal: 7	FL. *2902*	1 g	21,50	18,30	17,20	16,15
63943	**Alginic acid** PROSYNTH® *Acide alginique / Acido algínico* $(C_6H_8O_6)_n$ $M = (176{,}13)_n$ g/mol	WG. *3906*	250 g	46,50	39,55	37,20	34,90
63944	**Alginic acid sodium salt** PROSYNTH® *Acide alginique sel sodique / Acido algínico sal sódica*	WG. *3906*	250 g	21,50	18,30	17,20	16,15
32612	**Alizarin** (C. I. No. 58000, S. No. 1141) R. G. *Alizarine / Alizarina* $C_6H_4COC_6H_2(OH)_2CO$ $C_{14}H_8O_4$ $M = 240{,}21$ g/mol	WG. WG. *3205*	100 g 500 g	19,— 78,—	16,15 66,30	15,20 62,40	14,25 60,05
32968	**Alizarin solution** 1% according to Benda for microscopy *Alizarine en solution / Alizarina en solución* 1 L ≈ 1,03 kg	PF. *3819*	250 ml	13,25	11,25	10,60	9,95
33010	**Alizarin S** indicator (C. I. No. 58005, S. No. 1145) *Alizarine S / Alizarina S* $C_{14}H_7NaO_7S \cdot H_2O$ $M = 360{,}28$ g/mol	WG. WG. *3205*	100 g 250 g	21,75 44,—	18,50 37,40	17,40 35,20	16,30 33,—
	Alizarin-3-methylamino diacetic acid see 3-Aminomethylalizarin-N,N-diacetic acid-dihydrate						
	Alizarin red S see Alizarin S						
	Alizarinsulphonic acid sodium salt see Alizarin S						
32601	**Alizarin yellow GG** indicator (C. I. No. 14025, S. No. 55) *Jaune d'alizarine / Amarillo de alizarina* $C_{13}H_8N_3NaO_5$ $M = 309{,}21$ g/mol	WG. WG. *3205*	5 g 25 g	14,75 56,—	12,55 47,60	11,80 44,80	11,05 42,—
32602	**Alizarin yellow R** indicator (C. I. No. 14030, S. No. 66) *Jaune d'alizarine / Amarillo de alizarina* $C_{13}H_8N_3NaO_5$ $M = 309{,}21$ g/mol	WG. *3205*	25 g	14,50	12,35	11,60	10,90

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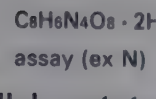
32803 A 3/5 C 3.2 1142 2 +11 °C	**Alkali blue solution** according to Benda for microscopy *Bleu alcalin en solution / Azul de álcali en solución* **1 L ≈ 0,79 kg** R: 11 S: 7-16 disposal: 6	FL. *3819*	250 ml	13,25	11,25	10,60	9,95
32804 A 3/1A C 3.2 1142 2 -15 °C	**Alkali blue solution** DIN 51558/559, for testing lubricants (Neutralization and saponification numbers) *Bleu alcalin en solution / Azul de álcali en solución* **1 L ≈ 0,85 kg**  R: 11-23/24-39 S: 9-16-29 disposal: 13	FL. FL. *3819*	1 L 2,5 L	25,50 50,50	21,70 41,90	20,40 39,40	19,65 37,90
39607	**Alkaterge T** for gas chromatography working temperature ..... to 75 °C	WG. *2935*	50 g	16,75	14,25	13,40	12,55
63249	**Alkylbenzyldimethylammonium chloride solution** 50% in water PROSYNTH® *Alkylbenzyldiméthylammonium chlorure en solution / Alcilbencildimetilamonio cloruro en solución* mean molecular weight 367,5 g/mol **1 L ≈ 0,97 kg** assay 50%	FL. *2924*	500 ml	45,75	38,90	36,60	35,25
63203	**Allantoin** PROSYNTH® *Allantoïne / Alantoína* $NHCONHCOCHNHCONH_2$ $C_4H_6N_4O_3$ $M = 158,12$ g/mol assay (ex N) 98%	PF. *2925*	100 g	30,25	25,70	24,20	22,70
63441 A 3/3 C 3.3 1993 2 +50 °C	**Allocymene** PROSYNTH® *Allocymène / Alocimeno* $(CH_3)_2C=CHCH=CHC(CH_3)=CHCH_3$ $C_{10}H_{16}$ $M = 136,24$ g/mol **1 L ≈ 0,82 kg** assay ..... 80% boiling range ..... 188—198 °C refractive index (n_D^{20}) ..... 1,538 R: 10 disposal: 6	FL. *2901*	500 ml	25,—	21,25	20,—	19,25
64333	**Alloxan tetrahydrate** PROSYNTH® *Alloxanne tétrahydraté / Aloxano tetrahidrato* $HNCONHCOC(OH)_2CO \cdot 4H_2O$ $C_4H_4N_2O_5 \cdot 4H_2O$ $M = 214,13$ g/mol assay ..... 99% melting range ..... 254—256 °C (disint.) keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	WG. *2935*	10 g	17,—	14,45	13,60	12,75
63204	**Alloxantin dihydrate** PROSYNTH® *Alloxantine dihydrate / Aloxantina dihidrato* $C_8H_6N_4O_8 \cdot 2H_2O$ $M = 322,19$ g/mol assay (ex N) 97%	WG. *2925*	10 g	21,—	17,85	16,80	15,75
64584 A 3/1A C 3.2 1992 2 +11 °C	**Allyl acetate** PROSYNTH® *Allyle acétate / Alilo acetato* $CH_3COOCH_2CH=CH_2$ $C_5H_8O_2$ $M = 100,12$ g/mol **1 L ≈ 0,92 kg** assay (GC) ..... 97% boiling range ..... 99—103 °C refractive index (n_D^{20}) ..... 1,404 R: 11-23/24/25 S: 16-27-44 disposal: 6	FL. *2914*	500 ml	65,50	55,70	52,40	50,45

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63945 A 3/3 C 3.3 1224 2 +24 °C	**Allylacetone** PROSYNTH® *Allylacétone / Alilacetona* $CH_3COCH_2CH_2CH=CH_2$ $C_6H_{10}O$ M = 98,14 g/mol **1 L ≈ 0,84 kg** assay (GC) ..... 99% boiling range ..... 129–132 °C refractive index (n_D^{20}) ..... 1,420 R: 10 disposal: 6	FL. *2913*	100 ml	34,50	29,35	27,60	25,90
60020 A 6.1/13A C 3.2 1098 1 +21 °C	**Allyl alcohol** PROSYNTH® *Alcool allylique / Alcohol alilico* $CH_2=CHCH_2OH$ C_3H_6O M = 58,08 g/mol **1 L ≈ 0,85 kg** assay (GC) ..... 99% boiling range ..... 95–97 °C refractive index (n_D^{20}) 1,413	FL. FL. *2904*	500 ml 1 L	13,25 23,50	11,25 20,–	10,60 18,80	10,20 18,10
62056 A 3/5 C 3.1 2334 1 -29 °C	**Allylamine** PROSYNTH® *Allylamine / Alilamina* $CH_2=CHCH_2NH_2$ C_3H_7N M = 57,10 g/mol **1 L ≈ 0,76 kg** assay (GC) ..... 99% boiling range ..... 52–54 °C refractive index (n_D^{20}) ..... 1,420 R: 11-23/24/25 S: 9-16-24/25-44 disposal: 19	FL. *2922*	250 ml	22,25	18,90	17,80	16,70
62057 A 3/3 C 3.3 1992 2 +50 °C	**Allylbenzene** PROSYNTH® *Allylbenzène / Alilbenceno* $C_6H_5CH_2CH=CH_2$ C_9H_{10} M = 118,18 g/mol **1 L ≈ 0,90 kg** assay (GC) ..... 98% boiling range ..... 156–158 °C refractive index (n_D^{20}) ..... 1,512 R: 10 disposal: 6	FL. *2901*	25 ml	48,–	40,80	38,40	36,–
	Allyl bromide see 3-Bromopropene						
62058 A 6.1/4A C 3.1 1100 1 -32 °C	**Allyl chloride** PROSYNTH® *Allyle chlorure / Alilo cloruro* $CH_2=CHCH_2Cl$ C_3H_5Cl M = 76,53 g/mol **1 L ≈ 0,93 kg** assay (GC) ..... 98% boiling range ..... 43–45 °C refractive index (n_D^{20}) ..... 1,415 R: 11-26 S: 16-29-33-45 disposal: 7	FL. *2902*	500 ml	11,25	9,55	9,–	8,65
64881 A 6.1/61F C 6.1 2810 2 +31 °C	**Allyl chloroformate** PROSYNTH® stabilized with hydroquinone (0,9 g/l) *Allyle chloroformiate / Alilo cloroformiato* $ClCOOCH_2CH=CH_2$ $C_4H_5ClO_2$ M = 120,54 g/mol **1 L ≈ 1,13 kg** assay (GC) ..... 97% boiling range (at 15 mbar) ..... 26–28 °C refractive index (n_D^{20}) ..... 1,423 keep in refrigerator à stocker dans le refrigidaire almacenaje en la nevera R: 23/24/25 S: 44 disposal: 7	FL. *2914*	25 ml	31,75	27,–	25,40	23,80

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62059 A 6.1/2B C 3.2 1992 2 +19 °C	**Allyl cyanide** PROSYNTH® *Allyle cyanure / Alilo cianuro* $CH_2=CHCH_2CN$ C_4H_5N M = 67,09 g/mol **1 L ≈ 0,83 kg** assay (GC) ..... 98 % boiling range ..... 116–119 °C refractive index (n_D^{20}) ..... 1,406 R: 11-23/24/25 S: 16-27-44 disposal: 15	FL. *2927*	250 ml	54,50	46,35	43,60	
62061 A 3/3 C 3.3 2219 3 +48 °C	**Allylglycide ether** PROSYNTH® *Ether allylglycidique / Eter alilglicídico* $CH_2=CHCH_2OCH_2\underline{CHCH_2O}$ $C_6H_{10}O_2$ M = 114,14 g/mol **1 L ≈ 0,97 kg** assay (GC) ..... 98 % boiling range ..... 152–154 °C refractive index (n_D^{20}) ..... 1,434 R: 20 S: 24/25 disposal: 6	FL. *2909*	250 ml	37,75	32,10	30,20	
63205	**N-Allyl-N'-(2-hydroxyethyl)thiourea** PROSYNTH® *N-Allyl-N'-(2-hydroxyéthyl)thiourée / N-Alil-N'-(2-hidroxietil)tiourea* $HOCH_2CH_2NHCSNHCH_2CH=CH_2$ $C_6H_{12}N_2OS$ M = 160,24 g/mol assay (ex S) ..... 98 % melting range ..... 76–78 °C	WG. *2931*	100 g	27,75	23,60	22,20	
64890	**Allylmalonic acid** PROSYNTH® *Acide allylmalonique / Acido alilmalónico* $CH_2=CHCH_2CH(COOH)_2$ $C_6H_8O_4$ M = 144,13 g/mol assay (alkalimetric) ..... 99 % melting range ..... 103–104 °C	WG. *2915*	10 g	39,25	33,35	31,40	
63206 A 3/1A C 3.2 1992 2 -9 °C	**Allylmercaptan** PROSYNTH® *Allylmercaptan / Alilmercaptano* $CH_2=CHCH_2SH$ C_3H_6S M = 74,15 g/mol **1 L ≈ 0,90 kg** assay (GC) ..... 95 % boiling range ..... 66–68 °C refractive index (n_D^{20}) ..... 1,483 R: 11 S: 9-16-33 disposal: 15	FL. *2931*	100 ml	125,–	106,25	100,–	9
62749 A 3/3 C 3.3 1992 2 +32 °C	**Allyl methacrylate** PROSYNTH® stabilized with hydroquinone (60 mg/l) *Allyle méthacrylate / Alilo metacrilato* $CH_2=C(CH_3)COOCH_2CH=CH_2$ $C_7H_{10}O_2$ M = 126,15 g/mol **1 L ≈ 0,93 kg** assay (GC) ..... 99 % boiling range ..... 138–140 °C refractive index (n_D^{20}) ..... 1,436 R: 36/37/38 S: 26-28 disposal: 6	FL. *2914*	100 ml	12,–	10,20	9,60	9

Allyl mustard oil see Allyl *iso*-thiocyanate

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62060 A 6.1/21D C 6.1 1545 2 +29 °C	**Allyl *iso*-thiocyanate** PROSYNTH® *Allyle iso-thiocyanate / Alilo iso-tiocianato* $CH_2=CHCH_2NCS$ C_4H_5NS *M* = 99,15 g/mol **1 L ≈ 1,01 kg** assay (GC) ..... 98% boiling range ..... 149–151 °C refractive index (n_D^{20}) ..... 1,530 R: 10-23/25-33 S: 1-13 disposal: 10	FL. *2931*	100 ml	13,25	11,25	10,60	9,95
62062 A 6.1/82D C 6.1 1609 3	**N-Allylthiourea** PROSYNTH® *N-Allylthiourée / N-Aliltiourea* $CH_2=CHCH_2NHCSNH_2$ $C_4H_8N_2S$ *M* = 116,19 g/mol assay (ex N) ..... 98% melting range ..... 71–73 °C	PF. *2931*	100 g	19,50	16,60	15,60	14,65
64249	**N-Allylurea** PROSYNTH® *N-Allylurée / N-Alilurea* $CH_2=CHCH_2NHCONH_2$ $C_4H_8N_2O$ *M* = 100,12 g/mol assay (ex N) ..... 98% melting range ..... 82–85 °C	PF. *2925*	50 g	66,50	56,55	53,20	49,90
35817	**Alodane** min. 99% PESTANAL® (1,2,3,4,7,7-Hexachloro-5,6-bis-chloromethyl-bicyclo-[2,2,1]-hept-2-ne) $C_9H_8Cl_8$ *M* = 397,77 g/mol	FL. *2902*	1 g	56,50	48,05	45,20	42,40
	Alum see Potassium aluminium sulphate						
	Alum, ammonium see Ammonium aluminium sulphate						
	Alum, chrome see Potassium chromium sulphate						
11008	**Aluminium** gritty *Aluminium / Aluminio* Al *M* = 26,98 g/mol assay ..... 99% iron (Fe) ..... 0,5% silicium (Si) 0,2%	BL. BL. BL. BLT. *7601*	250 g 500 g 1 kg 25 kg	8,25 11,— 19,75	7,— 9,35 16,80	6,60 8,80 15,80 price on request	6,20 8,45 15,20
11009 A 4.2/6A B 4.1/13A C 4.1 1309 3	**Aluminium** powder *Aluminium / Aluminio* Al *M* = 26,98 g/mol assay ..... 91% iron (Fe) ..... 0,5% heavy metals (as Pb) ..... 0,03% soluble in ether ..... 3% R: 10-15 S: 7/8-43 disposal: 24	BL. BL. BLT. *7605*	500 g 1 kg 50 kg	19,75 35,50	16,80 30,20	15,80 28,40 price on request	15,20 27,35
11010 A 4.2/6A B 4.1/13A C 4.1 1309 3	**Aluminium** fine powder *Aluminium / Aluminio* Al *M* = 26,98 g/mol assay ..... 94% iron (Fe) ..... 0,5% heavy metals (as Pb) ..... 0,03% soluble in ether ..... 0,3% R: 10-15 S: 7/8-43 disposal: 24	BL. BL. BLT. *7605*	250 g 1 kg 25 kg	13,25 37,25	11,25 31,65	10,60 29,80 price on request	9,95 28,70
11003	**Aluminium** sheet, 0,1 mm *Aluminium / Aluminio* Al *M* = 26,98 g/mol assay ..... 99% iron (Fe) ..... 0,2% copper (Cu) ..... 0,02% silicium (Si) ..... 0,2% titanium (Ti) ..... 0,03% zinc (Zn) 0,08%	K. *7603*	500 g	30,—	25,50	24,—	23,10

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38600 C 8 1726 2	**0,100 g Aluminium** FIXANAL® water-soluble standard for atom absorption *0,100 g Aluminium / 0,100 g Aluminio* ampoule	*3819*	1 pack	10,25	8,70	8,20	7,
38550	**1,00 g Aluminium** FIXANAL® watersoluble standard for atom absorption *1,00 g Aluminium / 1,00 g Aluminio* ampoule	*3819*	1 pack	10,25	8,70	8,20	7,
38805 C 8 1726 2	**10,00 g Aluminium** FIXANAL® as Aluminium chloride *10,00 g Aluminium / 10,00 g Aluminio* ampoule	*3819*	1 pack	18,75	15,95	15,—	14
	Aluminium acetate basic see Aluminium hydroxide acetate						
62063	**Aluminium acetylacetonate** PROSYNTH® *Aluminium acétylacétonate / Aluminio acetilacetonato* $Al(C_5H_7O_2)_3$ $C_{15}H_{21}AlO_6$ $M = 324,31$ g/mol assay (ex Al) ..... 99,5% melting range ..... 192—195 °C	PF. *2945*	100 g	19,—	16,15	15,20	14
	Aluminium alloy see Nickel-aluminium alloy						
	Aluminium ammonium sulphate see Ammonium aluminium sulphate						
11013 A 4.3/2B C 4.3 1394 2	**Aluminium carbide** *Aluminium carbure / Aluminio carburo* Al_4C_3 $M = 143,96$ g/mol R: 15 S: 8-43A disposal: 12	BL. BL. BL. *2856*	25 g 100 g 250 g	10,— 31,75 72,—	8,50 27,— 61,20	8,— 25,40 57,60	7 23 54
11019 A 8/12 C 8 1726 2	**Aluminium chloride** anhydrous sublimed *Aluminium chlorure / Aluminio cloruro* $AlCl_3$ $M = 133,34$ g/mol assay ..... 98% iron (Fe) ..... 0,05% heavy metals (as Pb) ..... 0,005% sulphate (SO_4) ..... 0,05% R: 34 S: 7/8-28 disposal: 2	WG. WG. WG. BLT. *2830*	500 g 1 kg 2,5 kg 75 kg	12,— 16,75 34,75	10,20 14,25 28,85 price on request	9,60 13,40 27,10	9 12 26
11016	**Aluminium chloride-6-hydrate** chem. pure cryst. N. F. XIV, Reag. DAB 8 *Aluminium chlorure-6-hydrate / Aluminio cloruro-6-hidrato* $AlCl_3 \cdot 6H_2O$ $M = 241,43$ g/mol assay ..... 99,5% pH (5%, 20 °C) ..... 2,5—3,5 ammonium (NH_4) ..... 0,01% arsenic (As) ..... 0,0005% calcium (Ca) ..... 0,01% iron (Fe) ..... 0,0005% potassium (K) ..... 0,01% magnesium (Mg) ..... 0,01% sodium (Na) ..... 0,01% heavy metals (as Pb) ..... 0,001% sulphate (SO_4) 0,01%	PF. PF. PF. S. *2830*	500 g 1 kg 2,5 kg 40 kg	10,75 19,— 40,25	9,15 16,15 33,40 price on request	8,60 15,20 31,40	1 14 3(
11018 C 8 1726 2	**Aluminium chloride solution** about 28% $AlCl_3$ *Aluminium chlorure en solution / Aluminio cloruro en solución* $AlCl_3$ $M = 133,34$ g/mol 1 L ≈ 1,26 kg assay ($AlCl_3$) ..... 26,5—28,5% arsenic (As) ..... 0,001% iron (Fe) ..... 0,005% heavy metals (as Pb) 0,002%	PF. FPF. *2830*	1 L 70 kg	10,75	9,15 price on request	8,60	

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17915 C 8 1760 2	**Aluminium etching solution** PURANAL® *Solution d'attaque d'aluminium / Solución cáustica de aluminio* analytical data on request R: 34 S: 26 disposal: 27	FL. *3813*	2,5 L	price on request			
01102 C 6.1 • 1690 3	**Aluminium fluoride** calcined technical *Aluminium fluorure / Aluminio fluoruro* AlF_3 $M = 83{,}98$ g/mol assay of aluminium (Al) ..... 33% assay of fluorine (F) 61%	PF. S. *2829*	1 kg 25 kg	19,— price on request	16,15	15,20	14,65
01101 C 6.1 • 1690 3	**Aluminium fluoride-3-hydrate** pure *Aluminium fluorure-3-hydrate / Aluminio fluoruro-3-hidrato* $AlF_3 \cdot 3H_2O$ $M = 138{,}02$ g/mol assay ..... 99% iron (Fe) ..... 0,01% sulphate (SO_4) 0,01%	PF. PF. S. *2829*	1 kg 2,5 kg 50 kg	19,75 41,75 price on request	16,80 34,65	15,80 32,55	15,20 31,30
01221 C 6.1 2811 3	**Aluminium fluoride-3-hydrate** for glass industry *Aluminium fluorure-3-hydrate / Aluminio fluoruro-3-hidrato* $AlF_3 \cdot 3H_2O$ $M = 138{,}02$ g/mol assay of Al_2O_3 ..... 35,0—37,5% assay of F ..... 39,5—40,5% loss on ignition (500 °C, 2 h) ..... 38,5—40,0% iron (as Fe_2O_3) 0,004%	PF. FTP. *2829*	1 kg 50 kg	price on request price on request			
01403 A 8/8 C 8 1760 2	**Aluminium fluorosilicate solution** technical *Aluminium fluorosilicate en solution / Aluminio fluorosilicato en solución* $Al_2(SiF_6)_3$ $M = 480{,}19$ g/mol **1 L ≈ 1,29 kg** R: 22 S: 2-13-24/25 disposal: 27	PF. STP. *2829*	1 L 70 kg	12,50 price on request	10,65	10,—	9,65
11033	**Aluminium hydroxide** chem. pure *Aluminium hydroxyde / Aluminio hidróxido* $Al(OH)_3$ $M = 78{,}00$ g/mol assay (Al_2O_3) ..... 65% alkali (as Na) ..... 0,15% iron (Fe) ..... 0,005% sulphate (SO_4) 0,002%	PF. PF. FTP. *2820*	500 g 1 kg 50 kg	10,— 17,— price on request	8,50 14,45	8,— 13,60	7,70 13,10
	Aluminium hydroxide see also Aluminium oxide hydrated						
25001	**Aluminium hydroxide acetate** 30% Al_2O_3 pure powder *Aluminium hydroxyde acétate / Aluminio hidróxido acetato* assay of Al_2O_3 ..... 30% insoluble in hydrochloric acid ..... 0,05% iron (Fe) ..... 0,005% sodium (Na) ..... 1,5% heavy metals (as Pb) ..... 0,002% chloride (Cl) 0,01%	PF. PF. PF. S. *2914*	500 g 1 kg 2,5 kg 25 kg	15,75 28,50 60,50 price on request	13,40 24,25 50,20	12,60 22,80 47,20	12,15 21,95 45,40
	Aluminium isopropylate see Aluminium *iso*-propylate						
25301	**Aluminium lactate** pure *Aluminium lactate / Aluminio lactato* $C_9H_{15}AlO_9$ $M = 294{,}19$ g/mol assay (as dry substance) ..... 100% water (according to Karl Fischer) ..... 4% iron (Fe) ..... 0,005% heavy metals (as Pb) ..... 0,002% chloride (Cl) ..... 0,03% sulphate (SO_4) 0,4%	PF. PF. FTP. *2916*	250 g 1 kg 50 kg	20,25 59,50 price on request	17,20 50,60	16,20 47,60	15,20 45,80
	Aluminium lithium hydride see Lithium aluminium hydride						

PURANAL® high purity chemicals

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64323 A - B 4.1/12B C 4.1 1325 2	**Aluminium methylate** PROSYNTH® *Aluminium méthylate / Aluminio metilato* $Al(OCH_3)_3$ $C_3H_9AlO_3$ $M = 120{,}08$ g/mol assay (ex Al) ..... 95% R: 11 S: 8-16 disposal: 28	WG. *2945*	25 g	28,25	24,—	22,60	21,2
11025 C 5.1 1438 3	**Aluminium nitrate** technical exsiccated *Aluminium nitrate / Aluminio nitrato* assay of Al_2O_3 ..... 25% iron (Fe) ..... 0,01% heavy metals (as Pb) 0,01%	PF. S. *2839*	1 kg 50 kg	16,75 price on request	14,25	13,40	12,9
31154 C 5.1 1438 3	**Aluminium nitrate-9-hydrate** R. G., Reag. ACS *Aluminium nitrate-9-hydrate / Aluminio nitrato-9-hidrato* $Al(NO_3)_3 \cdot 9H_2O$ $M = 375{,}13$ g/mol assay ..... min. 98,5% insoluble in water ..... max. 0,005% calcium (Ca) ..... max. 0,01% iron (Fe) ..... max. 0,002% potassium (K) ..... max. 0,002% magnesium (Mg) ..... max. 0,002% sodium (Na) ..... max. 0,005% heavy metals (as Pb) ..... max. 0,001% zinc (Zn) ..... max. 0,001% chloride (Cl) ..... max. 0,001% sulphate (SO_4) ..... max. 0,005%	PF. FTP. *2839*	1 kg 50 kg	20,75 kg	17,65 9,30	16,60	16,—
11023 C 5.1 1438 3	**Aluminium nitrate-9-hydrate** chem. pure cryst. *Aluminium nitrate-9-hydrate / Aluminio nitrato-9-hidrato* $Al(NO_3)_3 \cdot 9H_2O$ $M = 375{,}13$ g/mol assay ..... 98% pH (5%, 20 °C) ..... 2,8—3,2 free acid (as HNO_3) ..... 0,1% ammonium (NH_4) ..... 0,001% arsenic (As) ..... 0,001% iron (Fe) ..... 0,003% heavy metals (as Pb) ..... 0,001% substances not precipitated by ammonia solution ..... 0,03% chloride (Cl) ..... 0,001% sulphate (SO_4) 0,005%	PF. PF. S. *2839*	1 kg 5 kg 50 kg	13,75 54,— price on request	11,70 44,80	11,— 42,10	10,6 40,5
11024 C 5.1 1438 3	**Aluminium nitrate-9-hydrate** technical cryst. *Aluminium nitrate-9-hydrate / Aluminio nitrato-9-hidrato* $Al(NO_3)_3 \cdot 9H_2O$ $M = 375{,}13$ g/mol assay ..... 98% iron (Fe) ..... 0,01% heavy metals (as Pb) ..... 0,01% chloride (Cl) ..... 0,01% sulphate (SO_4) 0,01%	PF. S. *2839*	1 kg 50 kg	12,— price on request	10,20	9,60	9,2
11082	**Aluminium oxide** chem. pure light *Aluminium oxyde / Aluminio óxido* Al_2O_3 $M = 101{,}96$ g/mol arsenic (As) ..... 0,0005% iron (Fe) ..... 0,005% heavy metals (as Pb) ..... 0,005% chloride (Cl) ..... 0,01% sulphate (SO_4) 0,2%	PF. *2820*	1 kg	153,—	130,05	122,40	117,8
31166	**Aluminium oxide D** basic for thin-layer chromatography *Aluminium oxyde D / Aluminio óxido D* pH (10%, 20 °C) ..... 10 granulation ..... less than 30 µm (400 mesh ASTM)	PF. PF. *2820*	250 g 1 kg	16,25 47,—	13,80 39,95	13,— 37,60	12,2 36,2
31170	**Aluminium oxide D** neutral for thin-layer chromatography *Aluminium oxyde D / Aluminio óxido D* pH (10%, 20 °C) ..... 7,5 granulation ..... less than 30 µm (400 mesh ASTM)	PF. PF. *2820*	500 g 1 kg	25,25 46,50	21,45 39,55	20,20 37,20	19,4 35,8

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31184	**Aluminium oxide D** acid for thin-layer chromatography *Aluminium oxyde D / Aluminio óxido D* pH (10%, 20 °C) ..... 4,5 granulation ..... less than 30 µm (400 mesh ASTM)	PF. PF. *2820*	500 g 1 kg	25,25 46,50	21,45 39,55	20,20 37,20	19,45 35,80
31167	**Aluminium oxide DF** basic for thin-layer chromatography. With luminous pigment addition for short-wave UV (254 nm). Without binding medium addition. *Aluminium oxyde DF / Aluminio óxido DF* pH (10%, 20 °C) ..... 10 granulation ..... less than 30 µm (400 mesh ASTM)	PF. PF. *2820*	250 g 1 kg	17,— 50,—	14,45 42,50	13,60 40,—	12,75 38,50
31168	**Aluminium oxide DG** for thin-layer chromatography *Aluminium oxyde DG / Aluminio óxido DG* gypsum content ..... 10% pH (10%, 20 °C) ..... 7,5 granulation ..... less than 30 µm (400 mesh ASTM)	PF. PF. *2820*	250 g 1 kg	16,— 46,75	13,60 39,75	12,80 37,40	12,— 36,—
31169	**Aluminium oxide DGF** for thin-layer chromatography. With luminous pigment addition for short-wave UV (254 nm) *Aluminium oxyde DGF / Aluminio óxido DGF* gypsum content ..... 10% pH (10%, 20 °C) ..... 7,5 granulation ..... less than 30 µm (400 mesh ASTM)	PF. PF. *2820*	250 g 1 kg	17,— 50,—	14,45 42,50	13,60 40,—	12,75 38,50
31181	**Aluminium oxide S** basic, super active for column chromatography *Aluminium oxyde S / Aluminio óxido S* activity grade ..... super 1 pH (10%, 20 °C) ..... 10 granulation ..... 50—200 µm (70—290 mesh ASTM) specific surface ..... 200 m^2/g pour density ..... 0,9 g/ml	WG. *2820*	500 g	20,50	17,45	16,40	15,80
31182	**Aluminium oxide S** neutral, super active for column chromatography *Aluminium oxyde S / Aluminio óxido S* activity grade ..... super 1 pH (10%, 20 °C) ..... 7,5 granulation ..... 50—200 µm (70—290 mesh ASTM) specific surface ..... 200 m^2/g pour density ..... 0,9 g/ml	WG. *2820*	500 g	23,25	19,75	18,60	17,90
31183	**Aluminium oxide S** acid, super active for column chromatography *Aluminium oxyde S / Aluminio óxido S* activity grade ..... super 1 pH (10%, 20 °C) ..... 4,5 granulation ..... 50—200 µm (70—290 mesh ASTM) specific surface ..... 200 m^2/g pour density ..... 0,9 g/ml	WG. *2820*	500 g	21,75	18,50	17,40	16,75
31163	**Aluminium oxide S** basic active for column chromatography *Aluminium oxyde S / Aluminio óxido S* activity grade ..... 1 pH (10%, 20 °C) ..... 10 granulation ..... 50—200 µm (70—290 mesh ASTM) pour density ..... 0,9 g/ml	PF. PF. *2820*	250 g 1 kg	13,75 35,75	11,70 30,40	11,— 28,60	10,30 27,55
31164	**Aluminium oxide S** neutral active for column chromatography *Aluminium oxyde S / Aluminio óxido S* activity grade ..... 1 pH (10%, 20 °C) ..... 7,5 granulation ..... 50—200 µm (70—290 mesh ASTM) pour density ..... 0,9 g/ml	PF. PF. FTP. *2820*	250 g 1 kg 50 kg	14,25 41,— kg	12,10 34,85 20,50	11,40 32,80	10,70 31,55
31165	**Aluminium oxide S** acid active for column chromatography *Aluminium oxyde S / Aluminio óxido S* activity grade ..... 1 pH (10%, 20 °C) ..... 4,5 granulation ..... 50—200 µm (70—290 mesh ASTM) pour density ..... 0,9 g/ml	PF. PF. *2820*	250 g 1 kg	13,75 35,75	11,70 30,40	11,— 28,60	10,30 27,55

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31174	**Aluminium oxide S** neutral, standardised for column chromatography *Aluminium oxyde S / Aluminio óxido S*	PF. PF. FTP. *2820*	500 g 1 kg 50 kg	11,— 19,75 kg	9,35 16,80 15,90	8,80 15,80	8,4 15,2
31104	**Aluminium oxide S** standardised for column chromatography *Aluminium oxyde S / Aluminio óxido S* activity grade ..... 2 pH (10%, 20 °C) ..... 10 granulation ..... 50—150 µm (100—290 mesh ASTM) pour density ..... 0,9 g/ml	PF. PF. FTP. *2820*	500 g 1 kg 50 kg	11,— 19,75 kg	9,35 16,80 10,85	8,80 15,80	8,45 15,20
39800	**Aluminium oxide HPLC** basic 0,005—0,020 mm (5—20 µm) for high-pressure-liquid chromatography *Aluminium oxyde HPLC / Aluminio óxido HPLC* activity grade ..... 1 pH (10%, 20 °C) ..... 9,5 granulation ..... 5—20 µm	WG. *2820*	10 g	43,—	36,55	34,40	32,25
11028	**Aluminium oxide** chem. pure *Aluminium oxyde / Aluminio óxido* Al_2O_3 $M = 101,96$ g/mol loss on ignition (1000 °C, 2 h) ..... 0,3% alkalis (as Na_2O) ..... 0,3% iron (Fe) ..... 0,03% heavy metals (as Pb) ..... 0,005% chloride (Cl) ..... 0,005% silicate (SiO_2) ..... 0,05% sulphate (SO_4) 0,1%	PF. PF. PF. S. *2820*	500 g 1 kg 2,5 kg 50 kg	10,— 16,25 34,— price on request	8,50 13,80 28,20	8,— 13,— 26,50	7,70 12,50 25,50
11031	**Aluminium oxide** technical *Aluminium oxyde / Aluminio óxido* Al_2O_3 $M = 101,96$ g/mol assay ..... 99% loss on ignition 0,5%	PF. S. *2820*	5 kg 50 kg	31,25 price on request	25,95	24,40	23,45
37349	**TLC-Cards ALF 10 × 20 cm Aluminium oxide** with fluorescent indicator 254 nm on aluminium cards layer thickness 0,2 mm *Feuilles CCM ALF 10 × 20 cm /* *CCF-Tarjetas ALF 10 × 20 cm* package with 20 sheets	*7604*	1 pack	36,—	30,60	28,80	27,—
37364	**TLC-Cards ALF 20 × 20 cm Aluminium oxide** with fluorescent indicator 254 nm on aluminium cards layer thickness 0,2 mm *Feuilles CCM ALF 20 × 20 cm /* *CCF-Tarjetas ALF 20 × 20 cm* package with 25 sheets	*7604*	1 pack	69,50	59,10	55,60	52,15
37604	**TLC-Plates, pre-coated AL 20 × 20 cm Aluminium oxide** on glass plates layer thickness 0,25 mm *Plaques CCM finies AL 20 × 20 cm /* *CCF-Placas preparadas AL 20 × 20 cm* package with 25 plates	*7604*	1 pack	87,—	73,95	69,60	65,25
37605	**TLC-Plates, pre-coated ALF 20 × 20 cm Aluminium oxide** with fluorescent indicator 254 nm on glass plates layer thickness 0,25 mm *Plaques CCM finies ALF 20 × 20 cm /* *CCF-Placas preparadas ALF 20 × 20 cm* package with 25 plates	*7604*	1 pack	87,—	73,95	69,60	65,25
11034	**Aluminium oxide hydrated** sulphate containing *Aluminium oxyde hydraté / Aluminio óxido hidrato* assay of Al_2O_3 ..... 47% sulphate (SO_4) ..... 17% loss on ignition (1000 °C, 2 h) ..... 52% alkalis and earth alkalis (as sulphates) ..... 1,5% iron (Fe) 0,02%	PF. S. *2820*	1 kg 20 kg	15,50 price on request	13,20	12,40	11,95

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11037	**Aluminium oxide hydrated** technical powder, about 65 % Al_2O_3 *Aluminium oxyde hydraté / Aluminio óxido hidrato* assay of Al_2O_3 ..... 65 % loss on ignition (1000 °C, 2 h) ..... 34,5 % alkalis and earth alkalis (as sulphates) ..... 0,08 % iron (Fe) ..... 0,01 %	PF. S. *2820*	5 kg 50 kg	25,50 price on request	21,15	19,90	19,15
	Aluminium oxide hydrated see also Aluminium hydroxide						
26201	**Aluminium palmitate** technical precipitated *Aluminium palmitate / Aluminio palmitato*	K. *2914*	1 kg	30,—	25,50	24,—	23,10
04207	**Aluminium phosphate** technical *Aluminium phosphate / Aluminio fosfato* $AlPO_4 \cdot xH_2O$ M = (anhydrous) 121,95 g/mol assay of Al_2O_3 ..... 38 % assay of P_2O_5 ..... 52 % loss on ignition (600 °C, 2 h) ..... 10 %	PF. S. *2840*	1 kg 50 kg	22,25 price on request	18,90	17,80	17,15
	Aluminium potassium fluoride see Potassium aluminium fluoride						
	Aluminium potassium sulphate see Potassium aluminium sulphate						
	Aluminium rhodanide solution see Aluminium thiocyanate solution						
64321 A 6.1/ C 6.1 2811 3	**Aluminium selenide** PROSYNTH® *Aluminium sélénure / Aluminio selenuro* Al_2Se_3 M = 290,84 g/mol R: 23/25-33 S: 20/21-28-44 disposal: 10	WG. *2858*	25 g	36,75	31,25	29,40	27,55
	Aluminium silicofluoride solution see Aluminium fluorosilicate solution						
	Aluminium sodium fluoride see Cryolite						
	Aluminium sodium fluoride see Cryolite						
26402	**Aluminium stearate** *Aluminium stéarate / Aluminio estearato*	PF. S. *2914*	1 kg 25 kg	17,75 price on request	15,10	14,20	13,65
11044	**Aluminium sulphate-18-hydrate** chem. pure cryst. Ph. Eur. I, B.P.C. 1973, Ph. Franç. IX, U.S.P. XVII *Aluminium sulfate-18-hydrate / Aluminio sulfato-18-hidrato* $Al_2(SO_4)_3 \cdot 18H_2O$ M = 666,43 g/mol assay ..... 99,5—105,0 % pH (2 %, 20 °C) ..... 3—4 substances not precipitated by ammonia solution (as sulphates) ..... 0,2 % ammonium (NH_4) ..... 0,02 % arsenic (As) ..... 0,0005 % iron (Fe) ..... 0,002 % heavy metals (as Pb) ..... 0,002 % chloride (Cl) ..... 0,002 %	PF. PF. S. *2838*	1 kg 2,5 kg 50 kg	14,— 29,— price on request	11,90 24,05	11,20 22,60	10,80 21,75
11046	**Aluminium sulphate** purified powder *Aluminium sulfate / Aluminio sulfato* $Al_2(SO_4)_3 \cdot xH_2O$ M = (anhydrous) 342,15 g/mol assay (as Al_2O_3) ..... 17—18 % iron (Fe) ..... 0,005 %	PF. S. S. *2838*	5 kg 50 kg 5x	24,— kg kg	19,90 1,80 1,70	18,70	18,—

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11049	**Aluminium thiocyanate solution 25%** *Aluminium thiocyanate en solution 25% / Aluminio tiocianato en solución 25%* $Al(SCN)_3$ *M* = 201,23 g/mol **1 L ≈ 1,16 kg** assay ..... 24,5–25,5% iron (Fe) ..... 0,005% heavy metals (as Pb) ..... 0,005% sulphate (SO_4) 0,5%	FL. FPF. *2844*	1 L 30 kg	23,75 price on request	20,20	19,—	18,30
60021 A - B 4.1/12B C 4.1 1325 2	**Aluminiumtri *iso*-propylate** PROSYNTH® *Aluminiumtri iso-propylate / Aluminiotri iso-propilato* $C_9H_{21}AlO_3$ *M* = 204,24 g/mol assay (ex Al) ..... 98% insoluble in toluene ..... 2% melting range ..... 136–140 °C R: 11 S: 8-16 disposal: 28	PF. PF. *2945*	250 g 1 kg	13,— 36,—	11,05 30,60	10,40 28,80	9,75 27,70
	Aluminium tristearate see Aluminium stearate						
	Aluminon see Aurin tricarboxylic acid ammonium salt						
	Alum, iron see Ammonium iron(III) sulphate						
	Alum, iron see Ammonium iron(III) sulphate						
	Alum, potassium see Potassium aluminium sulphate						
	Amidol see 2,4-Diaminophenol dihydrochloride						
	Amidomercury(II) chloride see Mercury(II) amidochloride						
	Amidosulphuric acid see Sulphamic acid						
39608	**Amine 220** for gas chromatography *Amine 220 / Amino 220* working temperature ..... 20 to 180 °C	WG. *3819*	50 g	72,—	61,20	57,60	54,—
64317 A 3/4 +85 °C	**Aminoacetaldehyde diethyl acetal** PROSYNTH® *Aminoacétaldéhyde diéthylacétal / Aminoacetaldehido dietilacetal* $NH_2CH_2CH(OCH_2CH_3)_2$ $C_6H_{15}NO_2$ *M* = 133,19 g/mol **1 L ≈ 0,97 kg** assay (GC) ..... 98% boiling range ..... 161–163 °C refractive index (n_D^{20}) 1,418	FL. *2910*	25 ml	34,—	28,90	27,20	25,50
64257 A 3/4 +85 °C	**Aminoacetaldehyde dimethyl acetal** PROSYNTH® *Aminoacétaldéhyde diméthylacétal / Aminoacetaldehido dimetilacetal* $NH_2CH_2CH(OCH_3)_2$ $C_4H_{11}NO_2$ *M* = 105,14 g/mol **1 L ≈ 0,97 kg** assay (GC) ..... 98% boiling range ..... 135–137 °C refractive index (n_D^{20}) 1,417	FL. *2923*	25 ml	30,—	25,50	24,—	22,50
64258 A 6.1/21H C 6.1 2811 3	**4'-Aminoacetanilide** PROSYNTH® *Amino-4'-acétanilide / 4'-Aminoacetanilida* $CH_3CONHC_6H_4NH_2$ $C_8H_{10}N_2O$ *M* = 150,18 g/mol assay (HPLC) ..... 98% melting range ..... 163–165 °C	WG. *2925*	250 g	22,50	19,15	18,—	16,90
	Aminoacetic acid see Glycine						
	Aminoacetic acid amide hydrochloride see Glycinamide hydrochloride						
	Aminoacetic acid nitrile hydrogen sulphate see Aminoacetonitrile hydrogen sulphate						

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63207 A 6.1/21 C 6.1 2811 2	**Aminoacetonitrile hydrogen sulphate** PROSYNTH® *Aminoacétonitrile hydrogénosulfate / Aminoacetonitrilo hidrógeno-sulfato* $NH_2CH_2CN \cdot H_2SO_4$ $C_2H_6N_2O_4S$ $M = 154{,}15$ g/mol assay ..... 98% melting range ..... 123–125 °C	PF. *2927*	50 g	38,75	32,95	31,–	29,05
62066	**2-Aminoacetophenone** PROSYNTH® *2-Aminoacétophénone / 2-Aminoacetofenona* $CH_3COC_6H_4NH_2$ C_8H_9NO $M = 135{,}17$ g/mol 1 L ≈ 1,12 kg assay (GC) ..... 98% boiling range ..... 250–252 °C refractive index (n_D^{20}) ..... 1,615 store in a cool, dark area stocker à l'abri de la chaleur et de la lumière almacenaje en lugar frio y protejido contra la luz	FL. *2923*	10 ml	20,75	17,65	16,60	15,55
62067	**3-Aminoacetophenone** PROSYNTH® *3-Aminoacétophénone / 3-Aminoacetofenona* $CH_3COC_6H_4NH_2$ C_8H_9NO $M = 135{,}17$ g/mol assay (GC) ..... 97% melting range ..... 96–98 °C	WG. *2923*	50 g	18,75	15,95	15,–	14,05
62068	**4-Aminoacetophenone** PROSYNTH® *4-Aminoacétophénone / 4-Aminoacetofenona* $CH_3COC_6H_4NH_2$ C_8H_9NO $M = 135{,}17$ g/mol assay (GC) ..... 98% melting range ..... 105–107 °C	WG. *2923*	100 g	52,50	44,65	42,–	39,40
	Amino-acid analysis acc. to Stein and Moore see Buffer solutions						
63208	**9(5)-Aminoacridine chloride monohydrate** PROSYNTH® *9(5)-Aminoacridine chlorure monohydraté / 9(5)-Aminoacridina cloruro monohidrato* $C_{13}H_{11}ClN_2 \cdot H_2O$ $M = 248{,}71$ g/mol	WG. *2935*	25 g	32,75	27,85	26,20	24,55
62069	**1-Aminoanthraquinone** PROSYNTH® *1-Aminoanthraquinone / 1-Aminoantraquinona* $NH_2C_6H_3COC_6H_4CO$ $C_{14}H_9NO_2$ $M = 223{,}23$ g/mol assay (UV) ..... 99% melting range ..... 252–254 °C log ε/244 (CH_3OH) 4,507	WG. *2923*	100 g	17,50	14,90	14,–	13,15
62070	**2-Aminoanthraquinone** PROSYNTH® *2-Aminoanthraquinone / 2-Aminoantraquinona* $NH_2C_6H_3COC_6H_4CO$ $C_{14}H_9NO_2$ $M = 223{,}23$ g/mol assay (UV) ..... 99% melting range ..... 304–305 °C (disint.) log ε/242 (CH_3OH) 4,485	WG. *2923*	100 g	19,–	16,15	15,20	14,25
	Amino-antipyrin® see 1-Phenyl-2,3-dimethyl-4-aminopyrazolone-(5) ® = trade mark of Hoechst AG						
64259 A 6.1/21I C 6.1 2811 2	**4-Aminoazobenzene** PROSYNTH® *Amino-4-azobenzène / 4-Aminoazobenceno* $C_6H_5N=NC_6H_4NH_2$ $C_{12}H_{11}N_3$ $M = 197{,}24$ g/mol assay (HPLC) ..... 98% melting range ..... 122–124 °C R: 20/21/22 S: 28 disposal: 17	WG. *2928*	100 g	35,50	30,20	28,40	26,65

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65139	**2-Aminobenzaldehyde** polymer PROSYNTH® *2-Aminobenzaldéhyde / 2-Aminobenzaldehido* $(NH_2C_6H_4CHO)_n$ $(C_7H_7NO)_n$ $M = (121,14)_n$ g/mol	FL. *2923*	1 g	19,75	16,80	15,80	14,80
64290	**3-Aminobenzaldehyde** polymer PROSYNTH® *3-Aminobenzaldéhyde / 3-Aminobenzaldehido* $(NH_2C_6H_4CHO)_n$ $(C_7H_7NO)_n$ $M = (121,14)_n$ g/mol	WG. *2923*	100 g	31,—	26,35	24,80	23,25
64282	**4-Aminobenzaldehyde** polymer PROSYNTH® *4-Aminobenzaldéhyde / 4-Aminobenzaldehido* $(NH_2C_6H_4CHO)_n$ $(C_7H_7NO)_n$ $M = (121,14)_n$ g/mol	*2923*					
	2-Aminobenzaldehyde phenylhydrazone see Nitrin	WG.	100 g	28,25	24,—	22,60	21,20
64260	**2-Aminobenzamide** PROSYNTH® *Amino-2-benzamide / 2-Aminobenzamida* $NH_2C_6H_4CONH_2$ $C_7H_8N_2O$ $M = 136,15$ g/mol assay ..... 98% melting range ..... 111—113 °C	PF. *2925*	100 g	23,—	19,55	18,40	17,25
	Aminobenzene see Aniline						
	1-Aminobenzenearsonic acid-(2) see 2-Arsanilic acid						
	1-Aminobenzenearsonic acid-(4) see 4-Arsanilic acid						
	4-Aminobenzenesulphonic acid see Sulphanilic acid						
	3-Aminobenzenesulphonic acid-(1) see Metanilic acid						
	m-Aminobenzenesulphonic acid-azo-diphenylamine sodium salt see Metanil yellow						
33016	**2-Aminobenzoic acid** R. G., Reag. Ph. Eur. I *Acide 2-aminobenzoïque / Acido 2-aminobenzóico* $H_2NC_6H_4COOH$ $C_7H_7NO_2$ $M = 137,14$ g/mol assay ..... min. 99,5% melting range ..... 146—147 °C insoluble in ethanol ..... max. 0,02% sulphated ash ..... max. 0,03% lead (Pb) ..... max. 0,001% iron (Fe) ..... max. 0,001% copper (Cu) ..... max. 0,001% total chlorine (Cl) ..... max. 0,01% sulphate (SO_4) ..... max. 0,01%	PF. PF. *2923*	25 g 100 g	18,50 58,50	15,75 49,75	14,80 46,80	13,90 43,90
15138	**2-Aminobenzoic acid** *Acide 2-aminobenzoïque / Acido 2-aminobenzóico* $H_2NC_6H_4COOH$ $C_7H_7NO_2$ $M = 137,14$ g/mol assay ..... 99,5% melting range ..... 144—146 °C sulphated ash 0,1%	PF. S. *2923*	500 g 50 kg	14,50 price on request	12,35	11,60	11,15
62071	**3-Aminobenzoic acid** PROSYNTH® *Acide 3-aminobenzoïque / Acid 3-aminobenzóico* $H_2NC_6H_4COOH$ $C_7H_7NO_2$ $M = 137,14$ g/mol assay (alkalimetric) ..... 99% melting range ..... 172—174 °C	PF. *2923*	250 g	32,75	27,85	26,20	24,55
15141	**4-Aminobenzoic acid** *Acide 4-aminobenzoïque / Acido 4-aminobenzóico* $H_2NC_6H_4COOH$ $C_7H_7NO_2$ $M = 137,14$ g/mol assay ..... 99% melting range ..... 185—187 °C sulphated ash 0,5%	PF. PF. FTP. *2923*	100 g 1 kg 25 kg	11,25 74,50 kg	9,55 63,35 40,60	9,— 59,60	8,45 57,35

refer explanations

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64264	**3-Aminobenzoic acid hydrochloride** PROSYNTH® *Acide amino-3-benzoïque chlorhydrate / Acido 3-aminobenzóico clorhidrato* $H_2NC_6H_4COOH \cdot HCl$ $C_7H_8ClNO_2$ M = 173,60 g/mol assay (ex Cl) 99%	WG. *2923*	50 g	32,—	27,20	25,60	24,—
62072 A 6.1/21 C 6.1 2811 2	**2-Aminobenzonitrile** PROSYNTH® *2-Aminobenzonitrile / 2-Aminobenzonitrilo* $NH_2C_6H_4CN$ $C_7H_6N_2$ M = 118,14 g/mol assay (GC) ..... 98% melting range ..... 47—50 °C	WG. *2927*	100 g	45,25	38,45	36,20	33,95
64281 A 6.1/21 C 6.1 2811 2	**3-Aminobenzonitrile** PROSYNTH® *3-Aminobenzonitrile / 3-Aminobenzonitrilo* $NH_2C_6H_4CN$ $C_7H_6N_2$ M = 118,14 g/mol assay (HPLC) ..... 98% melting range ..... 50—52 °C	WG. *2927*	10 g	23,—	19,55	18,40	17,25
64280 A 6.1/21 C 6.1 2811 2	**4-Aminobenzonitrile** PROSYNTH® *4-Aminobenzonitrile / 4-Aminobenzonitrilo* $NH_2C_6H_4CN$ $C_7H_6N_2$ M = 118,14 g/mol assay (HPLC) ..... 98% melting range ..... 83—85 °C	WG. *2927*	5 g	35,—	29,75	28,—	26,25
64265	**2-Aminobenzophenone** PROSYNTH® *Amino-2-benzophénone / 2-Aminobenzofenona* $C_6H_5COC_6H_4NH_2$ $C_{13}H_{11}NO$ M = 197,24 g/mol assay (HPLC) ..... 98% melting range ..... 105—107 °C	PF. *2923*	50 g	29,—	24,65	23,20	21,75
63210	**4-Aminobenzophenone** PROSYNTH® *4-Aminobenzophénone / 4-Aminobenzofenona* $C_6H_5COC_6H_4NH_2$ $C_{13}H_{11}NO$ M = 197,24 g/mol assay (HPLC) ..... 98% melting range ..... 121—123 °C	WG. *2923*	10 g	56,50	48,05	45,20	42,40
64275	**2-Aminobenzophenone-2'-carboxylic acid** PROSYNTH® *Acide 2-aminobenzophénone-2'-carboxylique / Acido 2-aminobenzofenona-2'-carboxílico* $NH_2C_6H_4COC_6H_4COOH$ $C_{14}H_{11}NO_3$ M = 241,25 g/mol assay (HPLC) ..... 97% melting range ..... 196—199 °C	WG. *2923*	50 g	49,50	42,10	39,60	37,15
60029	**2-Aminobenzothiazole** PROSYNTH® *2-Aminobenzothiazole / 2-Aminobenzotiazol* $C_6H_4N=C(NH_2)S$ $C_7H_6N_2S$ M = 150,20 g/mol assay (HPLC) ..... 98% melting range ..... 128—130 °C	PF. PF. *2935*	100 g 500 g	36,75 151,—	31,25 128,35	29,40 120,80	27,55 116,25
	N-(4-Aminobenzoyl)glycine see 4-Aminohippuric acid						
63218 A 6.1/21 C 6.1 2811 2	**2-Aminobiphenyl** PROSYNTH® *2-Aminobiphényle / 2-Aminobifenilo* $C_6H_5C_6H_4NH_2$ $C_{12}H_{11}N$ M = 169,23 g/mol assay (GC) ..... 98% melting range ..... 51—53 °C	WG. *2922*	25 g	20,75	17,65	16,60	15,55

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63211 A 6.1/21E C 6.1 2811 2	**2-Amino-5-bromotoluene** PROSYNTH® *2-Amino-5-bromotoluène / 2-Amino-5-bromotolueno* $NH_2C_6H_3BrCH_3$ C_7H_8BrN M = 186,05 g/mol assay (GC) ..... 98% melting range ..... 57—59 °C	WG. *2922*	25 g	23,50	20,—	18,80	17,65
63212 A 6.1/21E C 6.1 2810 2	**4-Amino-3-bromotoluene** PROSYNTH® *4-Amino-3-bromotoluène / 4-Amino-3-bromotolueno* $NH_2C_6H_3BrCH_3$ C_7H_8BrN M = 186,05 g/mol 1 L ≈ 1,48 kg assay (GC) ..... 98% boiling range (at 40 mbar) ..... 120—122 °C refractive index (n_D^{20}) 1,600	FL. *2922*	50 ml	68,—	57,80	54,40	51,—
63213 A 6.1/21E C 6.1 2811 2	**5-Amino-2-bromotoluene** PROSYNTH® *5-Amino-2-bromotoluène / 5-Amino-2-bromotolueno* $NH_2C_6H_3BrCH_3$ C_7H_8BrN M = 186,05 g/mol assay (ex N) ..... 95% melting range ..... 81—83 °C	WG. *2922*	10 g	27,75	23,60	22,20	20,80
	Aminobutane see Butylamine						
	2-Aminobutanedioic acid see DL-Aspartic acid						
	Aminobutanoic acid see Aminobutyric acid						
62074 A 8/35 C 8 1760 2	**2-Aminobutanol-(1)** PROSYNTH® *2-Aminobutanol-(1) / 2-Aminobutanol-(1)* $CH_3CH_2CH(NH_2)CH_2OH$ $C_4H_{11}NO$ M = 89,14 g/mol 1 L ≈ 0,92 kg assay (GC) ..... 96% boiling range ..... 174—182 °C refractive index (n_D^{20}) 1,453	FL. *2923*	250 ml	53,50	45,50	42,80	40,15
	Amino-*iso*-butyl alcohol see 2-Amino-2-methylpropanol-(1)						
	2-Aminobutyl alcohol see 2-Aminobutanol-(1)						
63214	**DL-2-Aminobutyric acid** PROSYNTH® *Acide DL-2-aminobutyrique / Acido DL-2-aminobutírico* $CH_3CH_2CH(NH_2)COOH$ $C_4H_9NO_2$ M = 103,12 g/mol assay (ex N) ..... 99% melting range ..... 299—301 °C (disint.)	WG. *2923*	50 g	30,75	26,15	24,60	23,05
63216	**DL-3-Aminobutyric acid** PROSYNTH® *Acide DL-3-aminobutyrique / Acido DL-3-aminobutírico* $CH_3CH(NH_2)CH_2COOH$ $C_4H_9NO_2$ M = 103,12 g/mol assay (ex N) ..... 98% melting range ..... 188—190 °C (disint.)	WG. *2923*	10 g	51,50	43,80	41,20	38,65
64266	**4-Aminobutyric acid** PROSYNTH® *Acide amino-4-butyrique / Acido 4-aminobutírico* $NH_2(CH_2)_3COOH$ $C_4H_9NO_2$ M = 103,12 g/mol assay (ex N) ..... 98% melting range ..... 200—205 °C (disint.)	WG. *2923*	100 g	22,—	18,70	17,60	16,50
62075	**6-Aminocaproic acid** PROSYNTH® *Acide 6-aminocaproïque / Acido 6-aminocapróico* $NH_2(CH_2)_5COOH$ $C_6H_{13}NO_2$ M = 131,17 g/mol assay (ex N) ..... 99% melting range ..... 208—210 °C (disint.)	PF. *2923*	250 g	22,—	18,70	17,60	16,50

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63217	**3-Amino-4-chlorobenzoic acid** PROSYNTH® *Acide 3-amino-4-chlorobenzoïque / Acido 3-amino-4-clorobenzóico* $NH_2C_6H_3ClCOOH$ $C_7H_6ClNO_2$ M = 171,58 g/mol assay (alkalimetric) ..... 99% melting range ..... 213–215 °C	WG. *2923*	10 g	13,–	11,05	10,40	9,75
64490 A 6.1/21 C 6.1 2811 2	**2-Amino-5-chlorobenzonitrile** PROSYNTH® *2-Amino-5-chlorobenzonitrile / 2-Amino-5-clorobenzonitrilo* $NH_2C_6H_3ClCN$ $C_7H_5ClN_2$ M = 152,58 g/mol assay (HPLC) ..... 97% melting range ..... 94–96 °C	WG. *2927*	25 g	27,25	23,15	21,80	20,45
62076	**2-Amino-5-chlorobenzophenone** PROSYNTH® *2-Amino-5-chlorobenzophénone / 2-Amino-5-clorobenzofenona* $NH_2C_6H_3ClCOC_6H_5$ $C_{13}H_{10}ClNO$ M = 231,68 g/mol assay (HPLC) ..... 98% melting range ..... 97–99 °C	PF. *2923*	100 g	32,25	27,40	25,80	24,20
61086 A 6.1/21E C 6.1 2810 2	**2-Amino-5-chlorobenzotrifluoride** PROSYNTH® *2-Amino-5-chlorobenzotrifluorure / 2-Amino-5-clorobenzotrifluoruro* $C_6H_3(CF_3)(NH_2)Cl$ $C_7H_5ClF_3N$ M = 195,57 g/mol **1 L ≈ 1,44 kg** assay ..... 99% R: 23/24/25 S: 44 disposal: 21	FL. *2922*	100 ml	82,50	70,15	66,–	61,90
61087 A 6.1/21E C 6.1 2810 2	**3-Amino-4-chlorobenzotrifluoride** PROSYNTH® *3-Amino-4-chlorobenzotrifluorure / 3-Amino-4-clorobenzotrifluoruro* $C_6H_3(CF_3)(NH_2)Cl$ $C_7H_5ClF_3N$ M = 195,57 g/mol **1 L ≈ 1,42 kg** assay ..... 99% R: 23/24/25 S: 44 disposal: 21	FL. *2922*	100 ml	33,25	28,25	26,60	24,95
61088 A 6.1/21E C 6.1 2810 2	**5-Amino-2-chlorobenzotrifluoride** PROSYNTH® *5-Amino-2-chlorobenzotrifluorure / 5-Amino-2-clorobenzotrifluoruro* $C_6H_3(CF_3)(NH_2)Cl$ $C_7H_5ClF_3N$ M = 195,57 g/mol **1 L ≈ 1,42 kg** assay ..... 99% R: 23/24/25 S: 44 disposal: 21	WG. *2922*	100 g	101,50	86,30	81,20	76,15
64486	**2-Amino-4'-chlorodiphenylamine** PROSYNTH® *2-Amino-4'-chlorodiphénylamine / 2-Amino-4'-clorodifenilamina* $NH_2C_6H_4NHC_6H_4Cl$ $C_{12}H_{11}ClN_2$ M = 218,69 g/mol assay (HPLC) ..... 98% melting range ..... 117–119 °C	WG. *2922*	100 g	55,–	46,75	44,–	41,25
64475	**2-Amino-4'-chlorodiphenylamine-2'-carboxylic acid** PROSYNTH® *Acide 2-amino-4'-chlorodiphénylamin-2'-carboxylique / Acido 2-amino-4'-clorodifenilamino-2'-carboxílico* $NH_2C_6H_4NHC_6H_3(Cl)COOH$ $C_{13}H_{11}ClN_2O_2$ M = 262,70 g/mol assay (HPLC) ..... 97% melting range ..... 192–194 °C	WG. *2923*	10 g	31,–	26,35	24,80	23,25

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64483	**2-Amino-4-chlorodiphenyl ether** PROSYNTH® *Ether-2-amino-4-chlorodiphénylique / Eter 2-amino-4-clorodifenílico* $C_6H_5OC_6H_3(NH_2)Cl$ $C_{12}H_{10}ClNO$ *M* = 219,67 g/mol assay (HPLC) ..... 98 % melting range ..... 41 – 43 °C	WG. *2923*	250 g	28,25	24,–	22,60	21,2
63219	**4-Amino-4'-chlorodiphenyl ether** PROSYNTH® *Ether 4-amino-4'-chlorodiphénylique / Eter 4-amino-4'-clorodifenílico* $NH_2C_6H_4OC_6H_4Cl$ $C_{12}H_{10}ClNO$ *M* = 219,67 g/mol assay (ex Cl) ..... 98 % melting range ..... 98 – 100 °C	WG. *2908*	100 g	94,–	79,90	75,20	70,5
60095 A 6.1/21E C 6.1 2811 3	**2-Amino-4-chlorophenol** PROSYNTH® *2-Amino-4-chlorophénol / 2-Amino-4-clorofenol* $C_6H_3(OH)(NH_2)Cl$ C_6H_6ClNO *M* = 143,57 g/mol assay (ex Cl) ..... 98 % melting range ..... 136 – 138 °C R: 20/21/22 S: 28 disposal: 7	PF. PF. *2923*	500 g 2,5 kg	63,– 250,–	53,55 207,50	50,40 195,–	48,50 187,50
	2-Amino-4-chlorophenol see 4-Chloro-2-aminophenol						
63221 A 6.1/21E C 6.1 2811 2	**2-Amino-5-chloropyridine** PROSYNTH® *2-Amino-5-chloropyridine / 2-Amino-5-cloropiridina* $N=C(NH_2)CH=CHCCl=CH$ $C_5H_5ClN_2$ *M* = 128,56 g/mol assay ..... 99 % melting range ..... 135 – 137 °C	WG. *2935*	25 g	53,–	45,05	42,40	39,75
63222 A 6.1/21E C 6.1 2811 2	**3-Amino-2-chloropyridine** PROSYNTH® *3-Amino-2-chloropyridine / 3-Amino-2-cloropiridina* $N=CClC(NH_2)=CHCH=CH$ $C_5H_5ClN_2$ *M* = 128,56 g/mol assay ..... 98 % melting range ..... 76 – 78 °C	WG. *2935*	10 g	29,50	25,10	23,60	22,15
	Amino-chlorotoluene see Chloro-methylaniline						
65197 A 6.1/22A C 6.1 *2076 2	**3-Amino-o-cresol** PROSYNTH® *3-Amino-o-crésol / 3-Amino-o-cresol* $CH_3C_6H_3(OH)NH_2$ C_7H_9NO *M* = 123,15 g/mol melting range ..... 127 – 129 °C R: 20/21/22 S: 28 disposal: 6	WG. *2923*	25 g	price on request			
65196 A 6.1/22A C 6.1 *2076 2	**4-Amino-o-cresol** PROSYNTH® *4-Amino-o-crésol / 4-Amino-o-cresol* $CH_3C_6H_3(OH)NH_2$ C_7H_9NO *M* = 123,15 g/mol melting range ..... 177 – 179 °C R: 20/21/22 S: 28 disposal: 6	WG. *2923*	50 g	price on request			
65198 A 6.1/22A C 6.1 *2076 2	**5-Amino-o-cresol** PROSYNTH® *5-Amino-o-crésol / 5-Amino-o-cresol* $CH_3C_6H_3(OH)NH_2$ C_7H_9NO *M* = 123,15 g/mol melting range ..... 161 – 162 °C R: 20/21/22 S: 28 disposal: 6	WG. *2923*	50 g	price on request			

refer explanations

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63234 A 6.1/22 C 6.1 2811 2	**6-Amino-m-cresol** PROSYNTH® *6-Amino-m-crésol / 6-Amino-m-cresol* $CH_3C_6H_3(OH)NH_2$ C_7H_9NO $M = 123{,}15$ g/mol assay (HPLC) ..... 98% melting range ..... 156–159 °C R: 20/21/22 S: 28 disposal: 6	WG. *2923*	100 g	99,–	84,15	79,20	74,25
64271 A 6.1/22A C 6.1 2811 2	**2-Amino-p-cresol** PROSYNTH® *2-Amino-p-crésol / 2-Amino-p-cresol* $CH_3C_6H_3(OH)NH_2$ C_7H_9NO $M = 123{,}15$ g/mol assay (HPLC) ..... 97% melting range ..... 133–136 °C R: 20/21/22 S: 28 disposal: 6	WG. *2923*	100 g	21,50	18,30	17,20	16,15
64272 A 6.1/22A C 6.1 2811 2	**4-Amino-m-cresol** PROSYNTH® *4-Amino-m-crésol / 4-Amino-m-cresol* $CH_3C_6H_3(OH)NH_2$ C_7H_9NO $M = 123{,}15$ g/mol assay (HPLC) ..... 99% melting range ..... 177–179 °C R: 20/21/22 S: 28 disposal: 6	WG. *2923*	50 g	42,75	36,35	34,20	32,05
	Aminocycloheptane see Cycloheptylamine						
	Aminocyclopentane see Cyclopentylamine						
	Aminocyclopropane see Cyclopropylamine						
64467	**2-Amino-3,5-dibromopyridine** PROSYNTH® *2-Amino-3-5-dibromopyridine / 2-Amino-3,5-dibromopiridina* $NH_2C{=}NCH{=}CBrCH{=}CBr$ $C_5H_4Br_2N_2$ $M = 251{,}91$ g/mol assay (HPLC) ..... 98% melting range ..... 102–104 °C	WG. *2935*	10 g	28,50	24,25	22,80	21,40
63223 A 6.1/21 C 6.1 2811 2	**4-Amino-N,N-diethylaniline sulphate** PROSYNTH® *4-Amino-N-N-diéthylaniline sulfate / 4-Amino-N,N-dietilanilina sulfato* $(C_2H_5)_2NC_6H_4NH_2 \cdot H_2SO_4$ $C_{10}H_{18}N_2O_4S$ $M = 262{,}33$ g/mol assay 98%	WG. *2922*	100 g	14,75	12,55	11,80	11,05
	2-Amino-1,3-dihydroxy-2-methylpropane see 2-Amino-2-methyl-1,3-propanediol						
	p-Aminodimethylaniline dihydrochloride see N,N-Dimethyl-p-phenylenediamine dihydrochloride						
64462	**5-Amino-3,4-dimethylisoxazole** PROSYNTH® *5-Amino-3-4-diméthyle-isoxazol / 5-Amino-3,4-dimetilo-isoxazol* $N{=}C(CH_3)C(CH_3){=}C(NH_2)O$ $C_5H_8N_2O$ $M = 112{,}13$ g/mol assay ..... 98% melting range ..... 117–120 °C	WG. *2935*	100 g	16,–	13,60	12,80	12,–
64461	**2-Amino-4,6-dimethylpyrimidine** PROSYNTH® *2-Amino-4-6-diméthylepyrimidine / 2-Amino-4,6-dimetilopirimidina* $N{=}C(NH_2)N{=}C(CH_3)CH{=}CCH_3$ $C_6H_9N_3$ $M = 123{,}16$ g/mol assay ..... 97% melting range ..... 151–153 °C	WG. *2935*	25 g	24,75	21,05	19,80	18,55

FIXANAL® preparations for standard solutions

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price package DM	1x	6x (1 Box)	24x (4 Boxes)	96 (16 Box
63225 A 6.1/21 C 6.1 2811 3	**4-Aminodiphenylamine** PROSYNTH® *4-Aminodiphénylamine / 4-Aminodifenilamina* $C_6H_5NHC_6H_4NH_2$ $C_{12}H_{12}N_2$ *M* = 184,24 g/mol assay (ex N) ..... 98% melting range ..... 74–76 °C	WG. *2922*	250 g	43,75	37,20	35,–	32,8
60423 A 6.1/21 C 6.1 2811 2	**4-Aminodiphenylamine chloride** PROSYNTH® *4-Aminodiphénylamine chlorure / 4-Aminodifenilamina* *cloruro* $C_6H_5NHC_6H_4NH_2 \cdot HCl$ $C_{12}H_{13}ClN_2$ *M* = 220,70 g/mol assay ..... 99% melting range ..... 265–267 °C	WG. *2922*	100 g	48,25	41,–	38,60	36,2
65195	**2-Aminodiphenylsulphone** PROSYNTH® *Amino-2-diphénylsulfone / 2-Aminodifenilsulfona* $NH_2C_6H_4SO_2C_6H_5$ $C_{12}H_{11}NO_2S$ *M* = 233,29 g/mol melting range ..... 118–120 °C	WG. *2931*	50 g	price on request			
	1-Aminododecane see Dodecylamine						
	2-Aminoethanesulphonic acid see Taurine						
39492 A 8/35 C 8 2491 3 +96 °C	**2-Aminoethanol** BIOSYNTH® *Amino-2-éthanol / 2-Aminoetanol* $H_2NCH_2CH_2OH$ C_2H_7NO *M* = 61,08 g/mol 1 L ≈ 1,01 kg R: 20-36/37/38 disposal: 19	FL. *2923*	1 L	51,–	43,35	40,80	39,25
15014 A 8/35 C 8 2491 3 +96 °C	**2-Aminoethanol** *Amino-2-éthanol / 2-Aminoetanol* $H_2NCH_2CH_2OH$ C_2H_7NO *M* = 61,08 g/mol 1 L ≈ 1,01 kg assay ..... 99% boiling range ..... 169–172 °C density (D_4^{20}) ..... 1,015–1,018 refractive index (n_D^{20}) ..... 1,4535–1,4545 sulphated ash ..... 0,05% R: 20-36/37/38 disposal: 19	FL. FL. STP. F. *2923*	1 L 2,5 L 30 kg 205 kg	20,25 42,– price on request price on request	17,20 34,85	16,20 32,75	15,60 31,50
	Aminoethylbenzene see Ethylaniline						
62312	**N-(2-Aminoethyl)-ethanolamine** PROSYNTH® *N-(2-Aminoéthyl)-éthanolamine / N-(2-Aminoetil)-etanolamina* $NH_2CH_2CH_2NHCH_2CH_2OH$ $C_4H_{12}N_2O$ *M* = 104,15 g/mol 1 L ≈ 1,03 kg assay (ex N) ..... 99% boiling range ..... 242–246 °C refractive index (n_D^{20}) 1,486	FL. *2923*	1 L	33,75	28,70	27,–	26,–
63946	**2-Aminoethylsulphuric acid** PROSYNTH® *Acide 2-aminoéthylsulfurique / Acido 2-aminoetilsulfúrico* $NH_2CH_2CH_2OSO_2OH$ $C_2H_7NO_4S$ *M* = 141,15 g/mol assay (ex N) 97%	WG. *2923*	250 g	34,25	29,10	27,40	25,70
	DL-2-Amino-4-(ethylthio)butyric acid see DL-Ethionine						
61261	**4-Amino-4'-fluorobiphenyl** PROSYNTH® *4-Amino-4'-fluorobiphényle / 4-Amino-4'-fluorobifenilo* $FC_6H_4C_6H_4NH_2$ $C_{12}H_{10}FN$ *M* = 187,22 g/mol assay (ex N) ..... 97% melting range ..... 119–121 °C	FL. *2922*	1 g	38,25	32,50	30,60	28,70

Code-Number) RID/ADR) GGVE/GGVS) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
61266 A 6.1/210 C 6.1 2810 2	**2-Amino-4-fluorotoluene** PROSYNTH® *2-Amino-4-fluorotoluène / 2-Amino-4-fluorotoluено* $CH_3C_6H_3FNH_2$ C_7H_8FN M = 125,15 g/mol **1 L ≈ 1,13 kg** assay ..... 98% boiling range (at 25 mbar) ..... 98–100 °C refractive index (n_D^{20}) 1,538	FL. FL. *2922*	† 25 ml 50 ml	53,50 100,–	45,50 85,–	 80,–	 75,–
61265 A 6.1/210 C 6.1 2810 2	**2-Amino-5-fluorotoluene** PROSYNTH® *2-Amino-5-fluorotoluène / 2-Amino-5-fluorotoluено* $CH_3C_6H_3FNH_2$ C_7H_8FN M = 125,15 g/mol **1 L ≈ 1,13 kg** assay (GC) ..... 97% boiling range (at 27 mbar) ..... 95–97 °C	FL. *2922*	25 ml	146,50	124,55	117,20	109,90
61071 A 6.1/210 C 6.1 2810 2	**4-Amino-2-fluorotoluene** PROSYNTH® *4-Amino-2-fluorotoluène / 4-Amino-2-fluorotoluено* $C_6H_3(CH_3)F(NH_2)$ C_7H_8FN M = 125,15 g/mol **1 L ≈ 1,10 kg** assay (GC) ..... 97% melting range ..... 30–32 °C	FL. FL. *2922*	† 25 ml 50 ml	48,– 90,–	40,80 76,50	 72,–	 67,50
61263 A 6.1/210 C 6.1 2810 2	**5-Amino-2-fluorotoluene** PROSYNTH® *5-Amino-2-fluorotoluène / 5-Amino-2-fluorotoluено* $CH_3C_6H_3FNH_2$ C_7H_8FN M = 125,15 g/mol **1 L ≈ 1,12 kg** assay (GC) ..... 99% boiling range (at 12 mbar) ..... 84–86 °C	FL. *2922*	25 ml	120,–	102,–	96,–	90,–
61072 A 6.1/210 C 6.1 2810 2	**6-Amino-2-fluorotoluene** PROSYNTH® *6-Amino-2-fluorotoluène / 6-Amino-2-fluorotoluено* $C_6H_3(CH_3)F(NH_2)$ C_7H_8FN M = 125,15 g/mol **1 L ≈ 1,13 kg** assay (GC) ..... 97% boiling range (at 20 mbar) ..... 88–90 °C	FL. FL. *2922*	† 25 ml 50 ml	69,50 130,–	59,10 110,50	 104,–	 97,50
62077	**1-Aminoguanidinium hydrogen carbonate** PROSYNTH® *1-Aminoguanidine hydrogénocarbonate / 1-Aminoguanidina hidrógenocarbonato* $NH_2NHC(=NH)NH_2 \cdot H_2CO_3$ $C_2H_8N_4O_3$ M = 136,11 g/mol assay ..... 98% melting range ..... 169–170 °C (disint.)	PF. *2926*	250 g	28,–	23,80	22,40	21,–
60320	**Aminoguanidinium sulphate monohydrate** PROSYNTH® *Aminoguanidine sulfate monohydraté / Aminoguanidina sulfato monohidrato* $[NH_2NHC(=NH)NH_2] \cdot H_2SO_4 \cdot H_2O$ $C_2H_{14}N_8O_4S \cdot H_2O$ M = 264,26 g/mol assay 97%	PF. PF. *2926*	250 g 1 kg	20,75 69,–	17,65 58,65	16,60 55,20	15,55 53,15
	2-Amino-5-guanidinovaleric acid hydrochloride see Arginine monohydrochloride						
	1-Aminoheptane see Heptylamine						
	(±)-2-Aminoheptanedioic acid see DL-2-Aminopimelic acid						
63226	**2-Aminoheptane sulphate** PROSYNTH® *2-Aminoheptane sulfate / 2-Aminoheptano sulfato* $[CH_3(CH_2)_4CH(NH_2)CH_3]_2 \cdot H_2SO_4$ $C_{14}H_{36}N_2O_4S$ M = 328,52 g/mol assay 99%	PF. *2922*	50 g	37,25	31,65	29,80	27,95
	1-Aminohexadecane see Hexadecylamine						
	1-Aminohexane see Hexylamine						
	(±)-2-Aminohexanedioic acid see DL-2-Aminoadipic acid						
	2-Aminohexanoic acid see L(+)-Norleucine						
	6-Aminohexanoic acid see 6-Aminocaproic acid						

HYDRANAL® a new Karl Fischer reagent

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Box
39051	**4-Aminohippuric acid** BIOSYNTH® *Acide 4-aminohippurique / Acido 4-aminohipúrico* $NH_2C_6H_4CONHCH_2COOH$ $C_9H_{10}N_2O_3$ M = 194,19 g/mol assay (alkalimetric) ..... 99% melting range ..... 198—200 °C	PF. *2925*	25 g	42,75	36,35	34,20	32,(
39050	**4-Aminohippuric acid sodium salt monohydrate** BIOSYNTH® *Acide 4-aminohippurique sel sodique monohydrate / Acido 4-aminohipúrico sal sódica monohidrato* $NH_2C_6H_4CONHCH_2COONa \cdot H_2O$ $C_9H_9N_2NaO_3 \cdot H_2O$ M = 234,19 g/mol assay (titration) ..... 98% melting range ..... 126—127 °C	PF. *2923*	100 g	453,—	385,05	362,40	339,7
64452	**4-Amino-3-hydrazino-5-mercapto-1,2,4-triazole** PROSYNTH® *4-Amino-3-hydrazino-5-mercapto-1-2-4-triazole / 4-Amino-3-hidrazina-5-mercapto-1,2,4-triazol* $NH_2NC(SH)=NN=CNHNH_2$ $C_2H_6N_6S$ M = 146,18 g/mol assay (ex N) ..... 99% melting range ..... 228—230 °C (disint.)	WG. *2935*	10 g	44,—	37,40	35,20	33,—
64269	**4-Amino-2-hydroxybenzoic acid** PROSYNTH® *Acide amino-4-hydroxy-2-benzoïque / Acido 4-amino-2-hidroxibenzóico* $NH_2C_6H_3(OH)COOH$ $C_7H_7NO_3$ M = 153,14 g/mol assay (alkalimetric) ..... 99% melting range ..... 134—136 °C (disint.)	PF. *2923*	250 g	44,25	37,60	35,40	33,20
	α-Amino-β-hydroxybutyric acid see Threonine						
63227	**DL-4-Amino-3-hydroxybutyric acid** PROSYNTH® *Acide DL-4-amino-3-hydroxybutyrique / Acido DL-4-amino-3-hidroxibutírico* $NH_2CH_2CH(OH)CH_2COOH$ $C_4H_9NO_3$ M = 119,12 g/mol assay (ex N) 98%	WG. *2923*	10 g	43,25	36,75	34,60	32,45
	1-Amino-3-(4-hydroxy-3-iodophenyl)propionic acid see 3-Iodo-L-tyrosine						
33017	**1-Amino-2-hydroxy-4-naphthalenesulphonic acid** R. G., for the determination of phosphates *Acide 1-amino-2-hydroxynaphtalènesulfonique-(4) / Acido 1-amino-2-hidroxinaftalenosulfónico-(4)* $C_{10}H_5(NH_2)(OH)(SO_3H)$ $C_{10}H_9NO_4S$ M = 239,25 g/mol	PF. PF. *2923*	25 g 100 g	22,50 70,—	19,15 59,50	18,— 56,—	16,90 52,50
64427	**6-Amino-1-hydroxy-3-naphthalenesulphonic acid** PROSYNTH® *Acide amino-6-hydroxy-1-napthalène-3-sulfonique / Acido 6-amino-1-hidroxi-3-naftaleno sulfónico* $H_2NC_{10}H_5(OH)SO_3H$ $C_{10}H_9NO_4S$ M = 239,25 g/mol assay 95%	PF. *2923*	100 g	31,50	26,80	25,20	23,65
64947	**4-Amino-2-hydroxy-1-naphthalenesulphonic acid, diazotized** PROSYNTH® *Acide amino-4-hydroxy-2-naphthalènesulfonique-1-diazoté / Acido 4-amino-2-hidroxi-1-naftalenosulfónico diazotado* $C_{10}H_6N_2O_4S$ M = 250,23 g/mol	WG. *2928*	500 g	47,—	39,95	37,60	36,20
	2-Amino-3-hydroxypropanoic acid see L(+)-Serine						

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4448	**2-Amino-3-hydroxypyridine** PROSYNTH® *2-Amino-3-hydroxypyridine / 2-Amino-3-hidroxipiridina* $N=C(NH_2)C(OH)=CHCH=CH$ $C_5H_6N_2O$ M = 110,12 g/mol assay ..... 98% melting range ..... 169–172 °C	WG. 2935	25 g	20,25	17,20	16,20	15,20
64416	**6-Amino-2-hydroxypyridine** PROSYNTH® *6-Amino-2-hydroxypyridine / 6-Amino-2-hidroxipiridina* $N=C(OH)CH=CHCH=CNH_2$ $C_5H_6N_2O$ M = 110,12 g/mol assay ..... 98% melting range ..... 207–210 °C	WG. 2935	10 g	43,75	37,20	35,–	32,80
	4-Amino-3-hydroxytoluene see 6-Amino-m-cresol						
64415	**5-Aminoindane** PROSYNTH® *5-Aminoindane / 5-Aminoindano* $NH_2C_6H_3CH_2CH_2CH_2$ $C_9H_{11}N$ M = 133,19 g/mol assay ..... 98% melting range ..... 34–36 °C	WG. 2935	10 g	25,25	21,45	20,20	18,95
63229	**5-Aminoindazole** PROSYNTH® *5-Aminoindazole / 5-Aminoindazol* $NH_2C_6H_3NHN=CH$ $C_7H_7N_3$ M = 133,15 g/mol assay (ex N) ..... 95% melting range ..... 175–177 °C	WG. 2935	25 g	53,50	45,50	42,80	40,15
63228	**6-Aminoindazole** PROSYNTH® *6-Aminoindazole / 6-Aminoindazol* $NH_2C_6H_3NHN=CH$ $C_7H_7N_3$ M = 133,15 g/mol assay (ex N) ..... 95% melting range ..... 204–206 °C	WG. 2935	25 g	27,75	23,60	22,20	20,80
	α-Amino-β-[indolyl-(3)]propionic acid see Tryptophan						
64412	**2-Amino-5-iodobenzoic acid** PROSYNTH® *Acide 2-amino-5-iodobenzoïque / Acido 2-amino-5-yodobenzóico* $NH_2C_6H_3(J)COOH$ $C_7H_6JNO_2$ M = 263,03 g/mol assay (alkalimetric) ..... 98% melting range ..... 205–210 °C (disint.)	WG. 2923	10 g	28,75	24,45	23,–	21,55
63948	**4-Amino-2-iodotoluene** PROSYNTH® *4-Amino-2-iodotoluène / 4-Amino-2-yodotolueno* $NH_2C_6H_3(J)CH_3$ C_7H_8JN M = 233,05 g/mol assay (ex N) ..... 98% melting range ..... 34–37 °C	FL. 2922	10 g	47,50	40,40	38,–	35,65
39049	**5-Aminolevulinic acid hydrochloride** BIOSYNTH® *Acide 5-aminolévulique chlorhydrate / Acido 5-aminolevulinico clorhidrato* $NH_2CH_2COCH_2CH_2COOH \cdot HCl$ $C_5H_{10}ClNO_3$ M = 167,59 g/mol assay (ex N) ..... 99% ampoule of 500 mg	2923	1 pack	45,–	38,25	36,–	33,75
	2-Amino-4-mercaptobutyric acid see DL-Homocysteine						
	(R)-2-Amino-3-mercaptopropionic acid see L(+)-Cysteine						
	Aminomethane see Methylamine solution						

IDRANAL® reagents for complexometry

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96 (16 Box
33082	**3-Aminomethylalizarin-N,N-diacetic acid dihydrate** R. G., for spectrophotometric fluoride determination *Acide 3-aminométhylalizarine-N-N-diacétique dihydraté / Acido 3-aminometilalizarina-N,N-diacético dihidrato* $C_6H_4(CO)_2C_6H(OH_2)CH_2N(CH_2COOH)_2 \cdot 2H_2O$ $C_{19}H_{15}NO_8 \cdot 2H_2O$ $M = 421{,}36$ g/mol	FL. WG. *2923*	1 g 5 g	33,25 146,50	28,25 124,55	26,60 117,20	24,9 109,9
63230	**2-Amino-6-methylbenzothiazole** PROSYNTH® *2-Amino-6-méthylbenzothiazole / 2-Amino-6-metilbenzotiazol* $CH_3C_6H_3(SC(NH_2)=N)$ $C_8H_8N_2S$ $M = 164{,}23$ g/mol assay (ex N) ..... 97 % melting range ..... 136—138 °C	WG. *2935*	10 g	29,75	25,30	23,80	22,3
	2-Amino-3-methylbutyric acid see L-Valine						
	ω-Amino-3,4-methylenedioxytoluene see Piperonylamine						
	2-Aminomethylfurane see 2-Furfurylamine						
63232 A 8/35 C 3.3 1993 2 +25 °C	**2-Amino-4-methylhexane** PROSYNTH® *2-Amino-4-méthylhexanne / 2-Amino-4-metilhexano* $CH_3CH_2CH(CH_3)CH_2CH(NH_2)CH_3$ $C_7H_{17}N$ $M = 115{,}22$ g/mol **1 L ≈ 0,76 kg** assay (GC) ..... 98 % boiling range ..... 130—135 °C refractive index (n_D^{20}) 1,415	FL. *2922*	50 ml	97,—	82,45	77,60	72,7
	(R)-2-Amino-4-methylmercaptobutyric acid see D-Methionine						
	Aminomethylphenol see 4-Amino-m-cresol						
	2-Amino-4-methylphenol see 2-Amino-p-cresol						
39493	**2-Amino-2-methyl-1,3-propanediol** BIOSYNTH® *Amino-2-méthyl-2-propanediol-1-3 / 2-Amino-2-metil-1,3-propanodiol* $(HOCH_2)_2C(NH_2)CH_3$ $C_4H_{11}NO_2$ $M = 105{,}14$ g/mol	PF. *2923*	1 kg	381,—	323,85	304,80	293,35
62081 A 3/4 +71 °C	**2-Amino-2-methyl-1-propanol** PROSYNTH® *2-Amino-2-méthylpropanol-1 / 2-Amino-2-metilpropanol-1* $(CH_3)_2C(NH_2)CH_2OH$ $C_4H_{11}NO$ $M = 89{,}14$ g/mol **1 L ≈ 0,93 kg** assay ..... 98 % boiling range ..... 163—165 °C refractive index (n_D^{20}) 1,448	FL. *2923*	1 L	37,25	31,65	29,80	28,70
62082 A 6.1/210 C 6.1 2811 2	**2-Amino-3-methylpyridine** PROSYNTH® *2-Amino-3-méthylpyridine / 2-Amino-3-metilpiridina* $N=C(NH_2)C(CH_3)=CHCH=CH$ $C_6H_8N_2$ $M = 108{,}14$ g/mol assay (GC) ..... 98 % melting range ..... 29—32 °C	FL. *2935*	100 g	53,—	45,05	42,40	39,75
62083 A 6.1/21 C 6.1 2811 2	**2-Amino-4-methylpyridine** PROSYNTH® *2-Amino-4-méthylpyridine / 2-Amino-4-metilpiridina* $N=CH(NH_2)CH=CH(CH_3)CH=CH$ $C_6H_8N_2$ $M = 108{,}14$ g/mol assay (GC) ..... 98 % melting range ..... 96—99 °C	WG. *2935*	100 g	48,—	40,80	38,40	36,—
62084 A 6.1/21 C 6.1 2811 2	**2-Amino-5-methylpyridine** PROSYNTH® *2-Amino-5-méthylpyridine / 2-Amino-5-metilpiridina* $N=C(NH_2)CH=CHC(CH_3)=CH$ $C_6H_8N_2$ $M = 108{,}14$ g/mol assay (GC) ..... 98 % melting range ..... 74—77 °C	WG. *2935*	10 g	37,25	31,65	29,80	27,95

Code-Number RID/ADR GGVE/GGVS IMDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
2085 6.1/21 6.1 2811 2	**2-Amino-6-methylpyridine** PROSYNTH® *2-Amino-6-méthylpyridine / 2-Amino-6-metilpiridina* $\underline{N=C(NH_2)CH=CHCH=C}CH_3$ $C_6H_8N_2$ M = 108,14 g/mol assay (GC) ..... 98% melting range ..... 39—42 °C	WG. 2935	100 g	32,25	27,40	25,80	24,20
63235	**2-Amino-4(6)-methylpyrimidine** PROSYNTH® *2-Amino-4(6)-méthylpyrimidine / 2-Amino-4(6)-metilpirimidina* $\underline{N=C(NH_2)N=C(CH_3)CH=C}H$ $C_5H_7N_3$ M = 109,13 g/mol assay (ex N) ..... 98% melting range ..... 158—160 °C	WG. 2935	10 g	21,75	18,50	17,40	16,30
65199	**2-Aminonaphthalenecarboxilic-3 acid** PROSYNTH® *Acide amino-2-naphtalène-3-carboxylique / Acido 2-aminonaftalenocarboxilico-3* $\underline{C_6H_4CH=C(NH_2)C(COOH)=C}H$ $C_{11}H_9NO_2$ M = 187,20 g/mol melting range ..... 212—214 °C	PF. 2923	50 g	price on request			
65059	**3,6-Amino-1-naphthalenedisulphonic acid** PROSYNTH® *Acide amino-3-6-naphtalènedisulfonique-1 / Acido 3,6-aminonaftaleno-1-disulfónico* $NH_2C_{10}H_5(SO_3H)_2$ $C_{10}H_9NO_6S_2$ M = 303,32 g/mol	WG. 2922	250 g	31,25	26,55	25,—	23,45
65060	**4-Amino-1-naphthalenesulphonic acid** PROSYNTH® *Acide amino-4-naphtalènesulfonique-1 / Acido 4-aminonaftaleno-1-sulfónico* $NH_2C_{10}H_6SO_3H$ $C_{10}H_9NO_3S$ M = 223,25 g/mol assay (alkalimetric) 97%	WG. 2922	50 g	28,25	24,—	22,60	21,20
65061	**5-Amino-1-naphthalenesulphonic acid** PROSYNTH® *Acide amino-5-naphtalènesulfonique-1 / Acido 5-aminonaftaleno-1-sulfónico* $NH_2C_{10}H_6SO_3H$ $C_{10}H_9NO_3S$ M = 223,25 g/mol assay (alkalimetric) 98%	WG. 2922	100 g	17,—	14,45	13,60	12,75
65062	**7-Amino-1-naphthalenesulphonic acid** PROSYNTH® *Acide amino-7-naphtalènesulfonique-1 / Acido 7-aminonaftaleno-1-sulfónico* $NH_2C_{10}H_6SO_3H$ $C_{10}H_9NO_3S$ M = 223,25 g/mol assay (alkalimetric) 97%	WG. 2922	100 g	41,25	35,05	33,—	30,95
63236	**1-Amino-7-naphthol** PROSYNTH® *1-Amino-7-naphtol / 1-Amino-7-naftol* $HOC_{10}H_6NH_2$ $C_{10}H_9NO$ M = 159,19 g/mol assay (ex N) ..... 96% melting range ..... 206—207 °C	WG. 2923	25 g	31,25	26,55	25,—	23,45
65200	**2-Amino-6-naphthol** PROSYNTH® *2-Amino-6-naphtol / 2-Amino-6-naftol* $HOC_{10}H_6NH_2$ $C_{10}H_9NO$ M = 159,19 g/mol melting range ..... 202—205 °C	PF. 2923	25 g	price on request			

Code-Number
A) RID/ADR
B) GGVE/GGVS
C) IMDG-CODE (GGVSee)

		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96 (16 Box
64426	**8-Amino-1-naphthol-3,6-disulphonic acid monosodium salt** *Acide 8-amino-1-naphtol-3-6-disulfonique sel monosodique / Acido 3,6-disulfónico-8-amino-1-naftol sal monosódica* $NH_2C_{10}H_4(OH)(SO_3H)SO_3Na$ $C_{10}H_8NNaO_7S_2$ M = 341,30 g/mol assay (alkalimetric) 80%	WG. *2923*	100 g	16,50	14,05	13,20	12,
64274 A 6.1/21 C 6.1 1655 3	**6-Aminonicotinamide** PROSYNTH® *Amide amino-6-nicotinique / Acido 6-aminonicotínico amida* $N=C(NH_2)CH=CHC(CONH_2)=CH$ $C_6H_7N_3O$ M = 137,14 g/mol assay ..... 99% melting range ..... 246–248 °C	WG. *2935*	5 g	53,–	45,05	42,40	39,
64910	**2-Amino-4-nitrobenzoic acid** PROSYNTH® *Acide amino-2-nitro-4-benzoïque / Acido 2-amino-4-nitrobenzóico* $H_2NC_6H_3(NO_2)COOH$ $C_7H_6N_2O_4$ M = 182,14 g/mol assay (HPLC) ..... 99% melting range ..... 267–268 °C (disint.)	WG. *2923*	100 g	55,50	47,20	44,40	41,6
61459 A 6.1/21K C 6.1 2811 2	**2-Amino-5-nitrobenzotrifluoride** PROSYNTH® *2-Amino-5-nitrobenzotrifluorure / 2-Amino-5-nitrobenzotrifluoruro* $NH_2C_6H_3(NO_2)CF_3$ $C_7H_5F_3N_2O_2$ M = 206,12 g/mol assay (HPLC) ..... 98% melting range ..... 90–92 °C R: 23/24/25 S: 44 disposal: 7	WG. *2922*	10 g	23,75	20,20	19,–	17,8
61216 A 6.1/21F C 6.1 2811 2	**4-Amino-3-nitrobenzotrifluoride** PROSYNTH® *4-Amino-3-nitrobenzotrifluorure / 4-Amino-3-nitrobenzotrifluoruro* $NH_2C_6H_3(NO_2)CF_3$ $C_7H_5F_3N_2O_2$ M = 206,12 g/mol assay (HPLC) ..... 98% melting range ..... 105–106 °C R: 23/24/25 S: 44 disposal: 7	WG. *2922*	10 g	33,75	28,70	27,–	25,30
	L-2-Amino-5-N'-nitroguanidinovaleric acid see N$^{\omega}$-Nitro-L-arginine						
64439 A 6.1/21L C 6.1 2811 3	**2-Amino-4-nitrophenol** PROSYNTH® *2-Amino-4-nitrophénol / 2-Amino-4-nitrofenol* $NH_2C_6H_3(NO_2)OH$ $C_6H_6N_2O_3$ M = 154,13 g/mol assay ..... 99% melting range ..... 143–145 °C R: 20/21/22 S: 28 disposal: 11	WG. *2923*	25 g	19,75	16,80	15,80	14,80
64440 A 6.1/21L C 6.1 2811 3	**2-Amino-5-nitrophenol** PROSYNTH® *2-Amino-5-nitrophénol / 2-Amino-5-nitrofenol* $NH_2C_6H_3(NO_2)OH$ $C_6H_6N_2O_3$ M = 154,13 g/mol assay (HPLC) ..... 95% melting range ..... 199–202 °C R: 20/21/22 S: 28 disposal: 11	WG. *2923*	25 g	12,50	10,65	10,–	9,40

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*237 3.1/21 3.1 2811 2	**2-Amino-5-nitropyridine** PROSYNTH® *2-Amino-5-nitropyridine / 2-Amino-5-nitropiridina* $N=C(NH_2)CH=CHC(NO_2)=CH$ $C_5H_5N_3O_2$ $M=139{,}11$ g/mol assay (HPLC) ..... 98% melting range ..... 186—188 °C	WG. *2935*	25 g	58,—	49,30	46,40	43,50
	1-Aminononane see Nonylamine						
	1-Aminooctadecane see Octadecylamine						
	1-Aminooctane see Octylamine						
*4211 3/3 3.3 1993 2 49 °C	**2-Aminooctane** PROSYNTH® *Amino-2-octane / 2-Aminooctano* $CH_3(CH_2)_5CH(NH_2)CH_3$ $C_8H_{19}N$ $M=129{,}24$ g/mol 1 L ≈ 0,77 kg assay (GC) ..... 99% boiling range ..... 163—165 °C refractive index (n_D^{20}) 1,424	FL. *2922*	25 ml	35,50	30,20	28,40	26,65
*4443	**6-Aminopenicillanic acid** PROSYNTH® *Acide amino-6-pénicillanique / Acido amino-6-penicilánico* $C_8H_{12}N_2O_3S$ $M=216{,}26$ g/mol assay (ex S) ..... 98% melting range ..... 206—208 °C (disint.)	FL. *2935*	1 g	13,25	11,25	10,60	9,95
	1-Aminopentane see Pentylamine						
	2-Aminopentane see 1-Methylbutylamine						
	2-Aminopentanedioic acid see Glutamic acid						
*64446	**5-Amino-1-pentanol** PROSYNTH® *5-Amino-1-pentanol / 5-Amino-1-pentanol* $NH_2(CH_2)_5OH$ $C_5H_{13}NO$ $M=103{,}16$ g/mol assay ..... 97% melting range ..... 33—35 °C	WG. *2923*	25 g	23,—	19,55	18,40	17,25
	4-Aminophenazone see 1-Phenyl-2,3-dimethyl-4-aminopyrazolone-(5)						
*60032 A 6.1/210 C 6.1 2512 3	**2-Aminophenol** PROSYNTH® *2-Aminophénol / 2-Aminofenol* $C_6H_4(OH)(NH_2)$ C_6H_7NO $M=109{,}13$ g/mol assay ..... 99% melting range ..... 172—174 °C R: 20/21/22 S: 28 disposal: 6	WG. WG. *2923*	250 g 1 kg	20,75 69,—	17,65 58,65	16,60 55,20	15,55 53,15
*60033 A 6.1/210 C 6.1 2512 3	**3-Aminophenol** PROSYNTH® *3-Aminophénol / 3-Aminofenol* $C_6H_4(OH)(NH_2)$ C_6H_7NO $M=109{,}13$ g/mol assay ..... 99% melting range ..... 121—123 °C R: 20/21/22 S: 28 disposal: 6	WG. WG. *2923*	250 g 1 kg	26,75 89,50	22,75 76,10	21,40 71,60	20,05 68,90
*35837 A 6.1/210 C 6.1 2512 3	**4-Aminophenol** min. 99% PESTANAL® *4-Aminophénol / 4-Aminofenol* $HOC_6H_4NH_2$ C_6H_7NO $M=109{,}13$ g/mol R: 20/21/22 S: 28 disposal: 6	FL. *2923*	5 g	19,50	16,60	15,60	14,65

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60034 A 6.1/210 C 6.1 2512 3	**4-Aminophenol** PROSYNTH® *4-Aminophénol / 4-Aminofenol* $C_6H_4(OH)(NH_2)$ C_6H_7NO M = 109,13 g/mol assay ..... 98 % melting range ..... 185 – 187 °C R: 20/21/22 S: 28 disposal: 6	PF. PF. *2923*	250 g 1 kg	22,50 74,–	19,15 62,90	18,– 59,20	16,9 57,–
62662	**4-Aminophenol hydrochloride** PROSYNTH® *4-Aminophénol chlorhydrate / 4-Aminofenol clorhidrato* $C_6H_4(OH)(NH_2) \cdot HCl$ C_6H_8ClNO M = 145,59 g/mol assay ..... 99 % melting range ..... 300 – 305 °C (disint.) R: 20/21/22 S: 28 disposal: 7	WG. WG. *2923*	100 g 1 kg	19,75 153,–	16,80 130,05	15,80 122,40	14,80 117,80
64525	**2-Aminophenol-4-sulphonic acid** PROSYNTH® *Acide 2-aminophénol-4-sulfonique / Acido 2-aminofenol-4-sulfónico* $NH_2C_6H_3(OH)SO_3H$ $C_6H_7NO_4S$ M = 189,19 g/mol assay (alkalimetric) ..... 90 % R: 20/21/22 S: 28 disposal: 6	WG. *2923*	250 g	31,50	26,80	25,20	23,65
60414	**4-Aminophenylacetic acid** PROSYNTH® *Acide 4-aminophénylacétique / Acido 4-aminofenilacético* $NH_2C_6H_4CH_2COOH$ $C_8H_9NO_2$ M = 151,16 g/mol assay (alkalimetric) ..... 99 % melting range ..... 200 – 202 °C (disint.)	PF. PF. *2923*	† 10 g 50 g	18,– 75,–	15,30 63,75	60,–	56,25
	2-Aminophenylarsonic acid see 2-Arsanilic acid						
	1-(2-Aminophenyl)-ethanone-(1) see 2-Aminoacetophenone						
	1-(3-Aminophenyl)-ethanone-(1) see 3-Aminoacetophenone						
	1-(4-Aminophenyl)-ethanone-(1) see 4-Aminoacetophenone						
33077	**Bis-(4-aminophenyl)-1,3,4-oxadiazole (BAO)** for microscopy *BAO / BAO* $\underline{OC(C_6H_4NH_2)=NN=C}C_6H_4NH_2$ $C_{14}H_{12}N_4O$ M = 252,28 g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	FL. *2935*	1 g	18,–	15,30	14,40	13,50
	2-Amino-3-phenylpropionic acid see L-Phenylalanine						
64524	**3-Amino-1-phenyl-5-pyrazolone** PROSYNTH® *3-Amino-1-phényl-5-pyrazolone / 3-Amino-1-fenil-5-pirazolona* $C_6H_5\underline{NN=C(NH_2)CH_2C}O$ $C_9H_9N_3O$ M = 175,19 g/mol assay (ex N) ..... 98 % melting range ..... 219 – 221 °C (disint.) keep cool à stocker au frais consérvese frio	WG. *2935*	10 g	18,50	15,75	14,80	13,90
62078	**5-Amino *iso*-phthalic acid** PROSYNTH® *Acide 5-amino iso-phtalique / Acido 5-amino iso-ftálico* $NH_2C_6H_3(COOH)_2$ $C_8H_7NO_4$ M = 181,15 g/mol assay ..... 94 % water (according to Karl Fischer) ..... 5 %	PF. *2923*	250 g	91,50	77,80	73,20	68,65

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64522	**N-Aminophthalimide** PROSYNTH® *N-Aminophtalimide / N-Aminoftalimida* $C_6H_4CON(NH_2)CO$ $C_8H_6N_2O_3$ $M = 178{,}15$ g/mol assay (ex N) ..... 97 % melting range ..... 199 – 202 °C	WG. *2926*	25 g	35,–	29,75	28,–	26,25
63238	**DL-2-Aminopimelic acid** PROSYNTH® *Acide DL-2-aminopimélique / Acido DL-2-aminopimélico* $HOOC(CH_2)_4CH(NH_2)COOH$ $C_7H_{13}NO_4$ $M = 175{,}18$ g/mol assay (ex N) ..... 97 %	FL. *2923*	1 g	36,25	30,80	29,–	27,20
	Aminopropane see Propylamine						
62087 A 8/35 C 8 1760 2	**1-Aminopropanol-(2)** PROSYNTH® *1-Aminopropanol-(2) / 1-Aminopropanol-(2)* $H_2NCH_2CH(OH)CH_3$ C_3H_9NO $M = 75{,}11$ g/mol **1 L ≈ 0,96 kg** assay (GC) ..... 98 % boiling range ..... 158 – 160 °C refractive index (n_D^{20}) 1,448	FL. *2923*	1 L	25,50	21,70	20,40	19,65
62089	**3-Aminopropanol-(1)** PROSYNTH® *3-Aminopropanol-(1) / 3-Aminopropanol-(1)* $HO(CH_2)_3NH_2$ C_3H_9NO $M = 75{,}11$ g/mol **1 L ≈ 0,99 kg** assay (GC) ..... 99 % boiling range ..... 187 – 188 °C refractive index (n_D^{20}) 1,461	FL. *2923*	250 ml	21,50	18,30	17,20	16,15
	3-Aminopropene-(1) see Allylamine						
	3-Aminopropionic see β-Alanine						
	2-Aminopropionic acid see L-Alanine						
63239	**N-(3-Aminopropyl)morpholine** PROSYNTH® *N-(3-Aminopropyl)morpholine / N-(3-Aminopropil)morfolina* $CH_2CH_2OCH_2CH_2N(CH_2)_3NH_2$ $C_7H_{16}N_2O$ $M = 144{,}22$ g/mol **1 L ≈ 0,98 kg** assay (GC) ..... 98 % boiling range (at 67 mbar) ..... 132 – 134 °C refractive index (n_D^{20}) 1,476	FL. *2935*	100 ml	33,25	28,25	26,60	24,95
	6-Aminopurine see Adenine						
64277	**2-Aminopyrazine** PROSYNTH® *Amino-2-pyrazine / 2-Aminopiracina* $N=CHCH=NCH=CNH_2$ $C_4H_5N_3$ $M = 95{,}10$ g/mol assay ..... 99 % melting range ..... 118 – 120 °C	WG. *2935*	10 g	26,75	22,75	21,40	20,05
64518	**3-Aminopyrazinecarboxylic acid** PROSYNTH® *Acide 3-aminopyrazinecarboxylique / Acido 3-aminopirazinacarboxílico* $HOOCC=NCH=CHN=CNH_2$ $C_5H_5N_3O_2$ $M = 139{,}11$ g/mol assay ..... 97 % melting range ..... 205 – 210 °C (disint)	WG. *2935*	5 g	41,25	35,05	33,–	30,95
63240 A 6.1/21G C 6.1 2811 2	**3-Aminopyrene** PROSYNTH® *3-Aminopyrène / 3-Aminopireno* $C_{16}H_{11}N$ $M = 217{,}27$ g/mol assay (HPLC) ..... 95 % melting range ..... 114 – 116 °C	FL. *2922*	1 g	93,–	79,05	74,40	69,75

PANPEHA® universal indicator paper in strips

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62090 **2-Aminopyridine** PROSYNTH® *2-Aminopyridine / 2-Aminopiridina* A 6.1/21 C 6.1 2811 2 $N=C(NH_2)CH=CHCH=CH$ $C_5H_6N_2$ $M=94{,}12$ g/mol assay (GC) ..... 98% melting range ..... 57–59 °C	WG. *2935*	250 g	41,–	34,85	32,80	30,7
62091 **3-Aminopyridine** PROSYNTH® *3-Aminopyridine / 3-Aminopiridina* A 6.1/21 C 6.1 2811 2 $N=CHC(NH_2)=CHCH=CH$ $C_5H_6N_2$ $M=94{,}12$ g/mol assay (GC) ..... 98% melting range ..... 61–63 °C	WG. *2935*	25 g	24,75	21,05	19,80	18,55
62092 **4-Aminopyridine** PROSYNTH® *4-Aminopyridine / 4-Aminopiridina* A 6.1/21 C 6.1 2811 3 $N=CHCH=C(NH_2)CH=CH$ $C_5H_6N_2$ $M=94{,}12$ g/mol assay (GC) ..... 98% melting range ..... 158–160 °C keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	WG. *2935*	50 g	90,–	76,50	72,–	67,50
64278 **2-Aminopyrimidine** PROSYNTH® *Amino-2-pyrimidine / 2-Aminopirimidina* A 6.1/21 C 6.1 2811 2 $N=C(NH_2)N=CHCH=CH$ $C_4H_5N_3$ $M=95{,}10$ g/mol assay ..... 98% melting range ..... 124–126 °C	WG. *2935*	100 g	34,25	29,10	27,40	25,70
64495 **4-Aminoquinaldine** PROSYNTH® *Amino-4-quinaldine / 4-Aminoquinaldina* $C_6H_4N=C(CH_3)CH=CNH_2$ $C_{10}H_{10}N_2$ $M=158{,}20$ g/mol assay (HPLC) ..... 98% melting range ..... 163–165 °C	WG. *2922*	25 g	31,25	26,55	25,–	23,45
64267 **8-Aminoquinoline** PROSYNTH® *Amino-8-quinoléine / 8-Aminoquinoleína* $NH_2C_6H_3N=CHCH=CH$ $C_9H_8N_2$ $M=144{,}18$ g/mol assay (HPLC) ..... 98% melting range ..... 63–65 °C	WG. *2935*	10 g	101,50	86,30	81,20	76,15
p-Aminosalicylic acid see 4-Amino-2-hydroxybenzoic acid						
Aminosuccinic acid see Aspartic acid						
Aminosulphonic acid ammonium salt see Ammonium sulphamidate						
Aminosulphonic acid nickel combination see Nickel sulphamate solution						
Aminosulphuric acid see Sulphamic acid						
65201 **5-Amino-1,2,3,4-tetrahydronaphthalene** PROSYNTH® 112 °C *Amino-5-tétrahydro-1-2-3-4-naphtalène / 5-Amino-1,2,3,4-tetrahidronaftaleno* $NH_2C_6H_3(CH_2)_3CH_2$ $C_{10}H_{13}N$ $M=147{,}22$ g/mol 1 L ≈ 1,05 kg boiling range (at 4 mbar) ..... 120–121 °C	FL. *2922*	100 ml	price on request			
63241 **5-Aminotetrazole monohydrate** PROSYNTH® *Amino-5-tétrazole monohydrate / 5-Aminotetrazol monohidrato* $NHN=NN=CNH_2 \cdot H_2O$ $CH_3N_5 \cdot H_2O$ $M=103{,}08$ g/mol assay (ex N) ..... 95% melting range ..... 200–204 °C (disint.)	WG. *2935*	25 g	30,75	26,15	24,60	23,05

refer explanations

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39428	**5-Aminotetrazole monohydrate** BIOSYNTH® *Amino-5-tétrazole monohydrate / 5-Aminotetrazol monohidrato* $\underline{NHN=NN=C}NH_2 \cdot H_2O$ $CH_3N_5 \cdot H_2O$ $M = 103{,}08$ g/mol	WG. 2935	25 g	26,25	22,30	21,—	19,70
60037	**2-Aminothiazole** PROSYNTH® *2-Aminothiazole / 2-Aminotiazol* $\underline{CH=CHN=C(NH_2)S}$ $C_3H_4N_2S$ $M = 100{,}14$ g/mol assay ..... 97% melting range ..... 89—91 °C	PF. PF. 2935	250 g 1 kg	51,50 172,—	43,80 146,20	41,20 137,60	38,65 132,45
62093	**2-Aminothiazoline** PROSYNTH® *2-Aminothiazoline / 2-Aminotiazolina* $\underline{SC(NH_2)=NCH_2}CH_2$ $C_3H_6N_2S$ $M = 102{,}16$ g/mol assay ..... 98% melting range ..... 78—80 °C	WG. 2935	10 g	34,—	28,90	27,20	25,50
	Aminotoluene see Toluidine						
63243	**3-Amino-1,2,4-triazole** PROSYNTH® *3-Amino-1-2-4-triazole / 3-Amino-1,2,4-triazol* $\underline{N=CHNHN=C}NH_2$ $C_2H_4N_4$ $M = 84{,}08$ g/mol assay ..... 98% melting range ..... 148—151 °C R: 20/21/22 S: 2-13 disposal: 17	WG. 2935	250 g	64,—	54,40	51,20	48,—
39344	**4-Aminouracil** BIOSYNTH® *4-Aminouracile / 4-Aminouracilo* $\underline{N=C(OH)N=CHC(NH_2)=C}OH$ $C_4H_5N_3O_2$ $M = 127{,}10$ g/mol	WG. 2935	10 g	14,25	12,10	11,40	10,70
39196	**5-Aminouracil** BIOSYNTH® *5-Aminouracile / 5-Aminouracilo* $\underline{NHCONHCO}CH=CNH_2$ $C_4H_5N_3O_2$ $M = 127{,}10$ g/mol assay (UV) ..... 98% log $\varepsilon_{/290}$ (pH 7) 3,78	WG. 2935	25 g	47,—	39,95	37,60	35,25
	2-Amino-5-ureidovaleric acid see L(+)-Citrulline						
35701	**Amitrole** min. 99% PESTANAL® (3-Amino-1,2,4-triazole) $\underline{HC=NN=C(NH_2)}NH$ $C_2H_4N_4$ $M = 84{,}08$ g/mol R: 20/21/22 S: 2-13 disposal: 7	FL. 2935	1 g	21,50	18,30	17,20	16,15
	Ammonia buffer solution see Buffer solutions ready-for-use						
05002 C 8 2672 3	**Ammonia solution** about 32% NH_3, chem. pure *Ammoniaque en solution / Amoníaco en solución* NH_3 $M = 17{,}03$ g/mol **1 L ≈ 0,89 kg** assay ..... 32% non-volatile matter ..... 0,002% iron (Fe) ..... 0,0001% heavy metals (as Pb) ..... 0,0005% chloride (Cl) ..... 0,0002% sulphate (SO_4) ..... 0,002% R: 36/37/38 S: 2-26 disposal: 3	FL. FL. FPF. FPF. FPF. 2816	1 L 2,5 L 50 kg 5x 10x	12,— 25,— kg kg kg	10,20 20,75 3,25 3,— 2,85	9,60 19,50	9,25 18,75

PEHANAL® universal indicator paper in rolls

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
30501 C 8 2672 3	**Ammonia solution** about 25% NH_3 R. G., Reag. ISO, Reag. Ph. Eur. I *Ammoniaque en solution / Amoníaco en solución* NH_3 $M = 17{,}03$ g/mol **1 L ≈ 0,91 kg** assay ..... min. 25% non-volatile matter ..... max. 0,002% lead (Pb) ..... max. 0,000005% cadmium (Cd) ..... max. 0,00001% calcium (Ca) ..... max. 0,0001% iron (Fe) ..... max. 0,00001% potassium (K) ..... 0,0001% copper (Cu) ..... max. 0,00001% magnesium (Mg) ..... max. 0,0001% sodium (Na) ..... max. 0,0001% zinc (Zn) ..... max. 0,00002% carbonate (as CO_2) ..... max. 0,001% chloride (Cl) ..... max. 0,00004% phosphate (PO_4) ..... max. 0,0001% sulphate (SO_4) ..... max. 0,0002% sulphide (S) ..... max. 0,00002% $KMnO_4$ reducing matters (as O) ..... max. 0,0005% pyridine ..... max. 0,00005% R: 36/37/38 S: 2-26 disposal: 3	FL. FL. PK. FPF. FPF. *2816*	1 L 2,5 L 5 L 50 kg 5x	12,— 24,25 44,— kg kg	10,20 20,15 36,50 3,40 3,15	9,35 18,90 34,30	8,90 18,20 33,—
17922 C 8 2672 3	**Ammonia solution** min. 25% NH_3 **MOS** PURANAL® particle class 0—21 *Ammoniaque en solution / Amoníaco en solución* NH_3 $M = 17{,}03$ g/mol **1 L ≈ 0,91 kg** assay ..... min. 25% non-volatile matter ..... max. 10 ppm aluminium (Al) ..... max. 0,05 ppm antimony (Sb) ..... max. 0,05 ppm arsenic (As) ..... max. 0,05 ppm barium (Ba) ..... max. 0,1 ppm beryllium (Be) ..... max. 0,01 ppm lead (Pb) ..... max. 0,02 ppm boron (B) ..... max. 0,02 ppm cadmium (Cd) ..... max. 0,01 ppm calcium (Ca) ..... max. 0,2 ppm chromium (Cr) ..... max. 0,01 ppm iron (Fe) ..... max. 0,1 ppm gallium (Ga) ..... max. 0,02 ppm gold (Au) ..... max. 0,02 ppm indium (In) ..... max. 0,02 ppm potassium (K) ..... max. 0,1 ppm cobalt (Co) ..... max. 0,01 ppm copper (Cu) ..... max. 0,01 ppm lithium (Li) ..... max. 0,02 ppm magnesium (Mg) ..... max. 0,1 ppm manganese (Mn) ..... max. 0,01 ppm molybdenum (Mo) ..... max. 0,01 ppm sodium (Na) ..... max. 0,5 ppm nickel (Ni) ..... max. 0,01 ppm platinum (Pt) ..... max. 0,02 ppm silver (Ag) ..... max. 0,02 ppm strontium (Sr) ..... max. 0,02 ppm thallium (Tl) ..... max. 0,02 ppm titanium (Ti) ..... max. 0,01 ppm vanadium (V) ..... max. 0,01 ppm bismuth (Bi) ..... max. 0,02 ppm zinc (Zn) ..... max. 0,05 ppm tin (Sn) ..... max. 0,02 ppm zirconium (Zr) ..... max. 0,01 ppm carbonat (CO_2) ..... max. 10 ppm chloride (Cl) ..... max. 0,5 ppm phosphate (PO_4) ..... max. 0,5 ppm sulphate (SO_4) ..... max. 2 ppm matters reducing $KMnO_4$ (as O) ..... max. 5 ppm R: 36/37/38 S: 2-26 disposal: 3	FL. *2816*	2,5 L	price on request			

refer explanations

Code-Number RID/ADR GGVE/GGVS IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
7814 8 2672 3	**Ammonia solution** min. 25% NH_3, PURANAL® *Ammoniaque en solution / Amoníaco en solución* NH_3 *M* = 17,03 g/mol **1 L ≈ 0,91 kg** assay ..... min. 25% non-volatile matter ..... max. 10 ppm aluminium (Al) ..... max. 0,05 ppm antimony (Sb) ..... max. 0,05 ppm arsenic (As) ..... max. 0,05 ppm barium (Ba) ..... max. 0,1 ppm beryllium (Be) ..... max. 0,01 ppm lead (Pb) ..... max. 0,02 ppm boron (B) ..... max. 0,02 ppm cadmium (Cd) ..... max. 0,01 ppm calcium (Ca) ..... max. 0,2 ppm chromium (Cr) ..... max. 0,01 ppm iron (Fe) ..... max. 0,1 ppm gallium (Ga) ..... max. 0,02 ppm gold (Au) ..... max. 0,02 ppm indium (In) ..... max. 0,02 ppm potassium (K) ..... max. 0,1 ppm cobalt (Co) ..... max. 0,01 ppm copper (Cu) ..... max. 0,01 ppm lithium (Li) ..... max. 0,02 ppm magnesium (Mg) ..... max. 0,1 ppm manganese (Mn) ..... max. 0,01 ppm molybdenum (Mo) ..... max. 0,01 ppm sodium (Na) ..... max. 0,5 ppm nickel (Ni) ..... max. 0,01 ppm platinum (Pt) ..... max. 0,02 ppm silver (Ag) ..... max. 0,02 ppm strontium (Sr) ..... max. 0,02 ppm thallium (Tl) ..... max. 0,02 ppm titanium (Ti) ..... max. 0,01 ppm vanadium (V) ..... max. 0,01 ppm bismuth (Bi) ..... max. 0,02 ppm zinc (Zn) ..... max. 0,05 ppm tin (Sn) ..... max. 0,02 ppm zirconium (Zr) ..... max. 0,01 ppm carbonate (CO_2) ..... max. 10 ppm chloride (Cl) ..... max. 0,5 ppm phosphate (PO_4) ..... max. 0,5 ppm sulphate (SO_4) ..... max. 2 ppm $KMnO_4$ red. matter (as O) ..... max. 5 ppm R: 36/37/38 S: 2-26 disposal: 3	FL. FPF. *2816*	2,5 L 50 kg	price on request price on request			
05003 C 8 2672 3	**Ammonia solution** about 25% NH_3, chem. pure *Ammoniaque en solution / Amoníaco en solución* NH_3 *M* = 17,03 g/mol **1 L ≈ 0,91 kg** assay ..... 25% non-volatile matter ..... 0,002% iron (Fe) ..... 0,0001% heavy metals (as Pb) ..... 0,0005% chloride (Cl) ..... 0,0002% sulphate (SO_4) ..... 0,002% R: 36/37/38 S: 2-26 disposal: 3	FL. FL. PK. FPF. FPF. FPF. FPF. *2816*	1 L 2,5 L 5 L 50 kg 5x 10x 20x	11,50 23,75 43,— kg kg kg kg	9,80 19,70 35,70 2,60 2,40 2,25 2,10	9,20 18,55 33,55	8,85 17,80 32,25
09034 C 8 2672 3	**Ammonia solution-d_3** (20% in D_2O) deuteration degree not less than 99 atom% D *Ammoniaque-d_3 en solution / Amoníaco-d_3 en solución* ND_3 *M* = 20,01 g/mol **1 L ≈ 1,00 kg** R: 36/37/38 S: 2-26 disposal: 3	A. *2851*	10 ml	56,50	48,04	45,20	42,40

Ammoniated mercury see Mercury(II) amidochloride

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32301	**Ammonium acetate** R. G., Reag. ACS Reag. ISO, Reag. Ph. Eur. I *Ammonium acétate / Amonio acetato* CH_3COONH_4 $C_2H_7NO_2$ $M = 77{,}08$ g/mol assay ..... min. 98 % insoluble in water ..... max. 0,002 % sulphated ash ..... max. 0,01 % pH (5 %, 20 °C) ..... 6,7 – 7,3 calcium (Ca) ..... max. 0,001 % iron (Fe) ..... max. 0,0002 % copper (Cu) ..... max. 0,0005 % magnesium (Mg) ..... max. 0,0002 % heavy metals (as Pb) ..... max. 0,0004 % chloride (Cl) ..... max. 0,0005 % nitrate (NO_3) ..... max. 0,001 % sulphate (SO_4) ..... max. 0,001 % $KMnO_4$ red. matters (as HCOOH) ..... max. 0,05 %		PF. PF. PF. FTP. *2914*	500 g 1 kg 2,5 kg 50 kg	15,50 25,— 53,— kg	13,20 21,25 44,— 9,25	12,40 20,— 41,35	11,9 19,2 39,7
25006	**Ammonium acetate** chem. pure cryst. *Ammonium acétate / Amonio acetato* CH_3COONH_4 $C_2H_7NO_2$ $M = 77{,}08$ g/mol assay ..... 97 % sulphated ash ..... 0,005 % pH (5 %, 20 °C) ..... 6,0 – 7,5 iron (Fe) ..... 0,0005 % heavy metals (as Pb) ..... 0,0005 % chloride (Cl) ..... 0,001 % sulphate (SO_4) ..... 0,005 %		PF. PF. S. S. *2914*	1 kg 2,5 kg 50 kg 5x	20,— 42,— kg kg	17,— 34,85 6,55 6,—	16,— 32,75	15,4 31,5
25019	**Ammonium acetate** pure cryst. *Ammonium acétate / Amonio acetato* CH_3COONH_4 $C_2H_7NO_2$ $M = 77{,}08$ g/mol assay ..... 97 % pH (5 %, 20 °C) ..... 6,5 – 7,5 iron (Fe) ..... 0,002 % heavy metals (as Pb) ..... 0,001 % chloride (Cl) ..... 0,005 % sulphate (SO_4) ..... 0,005 %		PF. S. *2914*	1 kg 50 kg	15,— price on request	12,75	12,—	11,55
25007	**Ammonium acetate** technical *Ammonium acétate / Amonio acetato* CH_3COONH_4 $C_2H_7NO_2$ $M = 77{,}08$ g/mol assay ..... 97 % iron (Fe) ..... 0,005 % heavy metals (as Pb) ..... 0,001 % chloride (Cl) ..... 0,02 % sulphate (SO_4) ..... 0,01 %		PF. PF. S. *2914*	1 kg 2,5 kg 50 kg	15,50 31,75 price on request	13,20 26,35	12,40 24,75	11,95 23,80
31101	**Ammonium aluminium sulphate-12-hydrate** R. G. *Ammonium-aluminium sulfate-12-hydrate / Amonio y aluminio sulfato-12-hidrato* $NH_4Al(SO_4)_2 \cdot 12H_2O$ $M = 453{,}33$ g/mol assay ..... min. 99 % insoluble in water ..... max. 0,005 % arsenic (As) ..... max. 0,0001 % iron (Fe) ..... max. 0,0005 % potassium (K) ..... max. 0,005 % sodium (Na) ..... max. 0,005 % heavy metals (as Pb) ..... max. 0,001 % chloride (Cl) ..... max. 0,001 % nitrate (NO_3) ..... max. 0,002 %		PF. PF. FTP. *2838*	500 g 1 kg 50 kg	16,25 29,50 kg	13,80 25,10 12,—	13,— 23,60	12,50 22,70

Ammonium aminosulphate see Ammonium sulphamidate

Ammonium bicarbonate see Ammonium hydrogen carbonate

Ammonium bichromate see Ammonium dichromate

Ammonium bifluoride see Ammonium hydrogen fluoride

Ammonium biphosphate see Ammonium dihydrogen phosphate

refer explanations

Code-Number RID/ADR GGVE/GGVS IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
10301	**Ammonium bismuth citrate** *Ammonium-bismuth citrate / Amonio y bismuto citrato* $C_{24}H_{20}Bi_4O_{28} \cdot 6NH_3 \cdot 10H_2O$ M = ca. 1875 g/mol assay of Bi ..... 43–46 %	PF. PF. *2916*	100 g 250 g	29,50 66,50	25,10 56,55	23,60 53,20	22,15 49,90
	Ammonium bisulphite solution see Ammonium hydrogen sulphite solution						
	Ammonium borate see Ammonium pentaborate						
	Ammonium borofluoride see Ammonium fluoroborate						
02101	**Ammonium bromide** chem. pure DAB 7, B. P. C. 1963, N. F. XII *Ammonium bromure / Amonio bromuro* NH_4Br M = 97,94 g/mol assay ..... 99,8 % loss on drying (105 °C) ..... 0,2 % arsenic (As) ..... 0,0001 % calcium (Ca) ..... 0,01 % iron (Fe) ..... 0,0005 % magnesium (Mg) ..... 0,001 % heavy metals (as Pb) ..... 0,0005 % chloride (Cl) ..... 0,1 % iodide (I) ..... 0,01 % sulphate (SO_4) ..... 0,003 %	PF. PF. PF. S. S. *2830*	500 g 1 kg 5 kg 50 kg 5x	11,75 21,50 80,– kg kg	10,– 18,30 66,40 8,75 8,25	9,40 17,20 62,40	9,05 16,55 60,–
31106	**Ammonium carbamate** R. G. *Ammonium carbamate / Amonio carbamato* NH_4OCONH_2 $CH_6N_2O_2$ M = 78,07 g/mol assay ..... min. 99,5 % insoluble in water ..... max. 0,005 % sulphated ash ..... max. 0,005 % calcium (Ca) ..... max. 0,003 % iron (Fe) ..... max. 0,0002 % heavy metals (as Pb) ..... max. 0,0005 % chloride (Cl) ..... max. 0,0003 % nitrate (NO_3) ..... max. 0,001 % phosphate (PO_4) ..... max. 0,0005 % sulphur compounds (as SO_4) ..... max. 0,002 % thiocyanate (SCN) ..... max. 0,001 % coal-tar bases (as $C_6H_5NH_2$) ..... max. 0,002 %	PF. PF. PF. *2925*	500 g 1 kg 2,5 kg	17,– 30,75 65,50	14,45 26,15 54,35	13,60 24,60 51,10	13,10 23,70 49,15
11204	**Ammonium carbonate** chem. pure powder DAB 6, N. F. XIV *Ammonium carbonate / Amonio carbonato* assay of NH_3 ..... 32 % sulphated ash ..... 0,04 % arsenic (As) ..... 0,0005 % iron (Fe) ..... 0,0005 % heavy metals (as Pb) ..... 0,001 % chloride (Cl) ..... 0,001 % sulphate (SO_4) ..... 0,003 %	PF. PF. S. *2842*	1 kg 2,5 kg 50 kg	10,50 21,75 price on request	8,95 18,05	8,40 16,95	8,10 16,30
	Ammonium carbonate see also Ammonium hydrogen carbonate						
31823 C 5.1 1477 2	**Ammonium cerium(IV) nitrate** R. G., Reag. ACS, Reag. Ph. Eur. I *Ammonium-cérium(IV) nitrate / Amonio y cerio(IV) nitrato* $(NH_4)_2Ce(NO_3)_6$ M = 548,23 g/mol assay ..... min. 99 % insoluble in water ..... max. 0,005 % iron (Fe) ..... max. 0,005 % heavy metals (as Pb) ..... max. 0,005 % chloride (Cl) ..... max. 0,001 % phosphate (PO_4) ..... max. 0,005 %	PF. *2839*	100 g	39,25	33,35	31,40	29,45

PINA® photo dyes and photo chemicals

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)	Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96 (16 Box
31173 **Ammonium cerium(IV) sulphate-2-hydrate** R. G., Reag. Ph. Eur. I *Ammonium-cérium(IV) sulfate-2-hydrate / Amonio y cerio(IV) sulfato-2-hidrato* $(NH_4)_4Ce(SO_4)_4 \cdot 2H_2O$ $M = 632{,}56$ g/mol assay ..... min. 99 % insoluble in acid ..... max. 0,005 % iron (Fe) ..... max. 0,005 % heavy metals (as Pb) ..... max. 0,005 % chloride (Cl) ..... max. 0,001 % phosphate (PO_4) ..... max. 0,005 %	PF. PF. *2838*	25 g 100 g	9,50 30,—	8,10 25,50	7,60 24,—	7, 22,
31107 **Ammonium chloride** R. G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I *Ammonium chlorure / Amonio cloruro* NH_4Cl $M = 53{,}49$ g/mol assay ..... min. 99,5 % insoluble in water ..... max. 0,005 % pH (5 %, 20 °C) ..... 4,5—5,5 arsenic (As) ..... max. 0,00005 % calcium (Ca) ..... max. 0,001 % iron (Fe) ..... max. 0,0002 % potassium (K) ..... max. 0,005 % magnesium (Mg) ..... max. 0,0005 % sodium (Na) ..... max. 0,005 % heavy metals (as Pb) ..... max. 0,0005 % nitrate (NO_3) ..... max. 0,0005 % phosphate (PO_4) ..... max. 0,0002 % sulphate (SO_4) ..... max. 0,002 %	PF. PF. PF. FTP. FTP. *2830*	500 g 1 kg 2,5 kg 50 kg 5x	12,50 20,50 43,75 kg kg	10,65 17,45 36,30 7,30 7,15	10,— 16,40 34,15	9,6 15,8 32,8
11209 ○ **Ammonium chloride** chem. pure cryst., Ph. Eur. I, B. P. 1973, Ph. Franc, IX, N. F. XIV *Ammonium chlorure / Amonio cloruro* NH_4Cl $M = 53{,}49$ g/mol assay ..... 99,8 % loss on drying (105 °C) ..... 0,2 % sulphated ash ..... 0,05 % pH (5 %, 20 °C) ..... 4,5—6,0 arsenic (As) ..... 0,0002 % calcium (Ca) ..... 0,005 % iron (Fe) ..... 0,001 % magnesium (Mg) ..... 0,001 % heavy metals (as Pb) ..... 0,0005 % sulphate (SO_4) ..... 0,005 %	PF. PF. S. S. S. *2830*	1 kg 2,5 kg 50 kg 5x 10x	15,— 31,25 kg kg kg	12,75 25,95 4,10 3,90 3,80	12,— 24,40	11,55 23,45
19558 **Ammonium chloride** tablets of 0,1 g for glass treatment *Ammonium chlorure / Amonio cloruro* NH_4Cl $M = 53{,}49$ g/mol	FTP. *2830*	10 kg	price on request			
11248 **Ammonium chloride** tablets of 0,15 g for glass treatment *Ammonium chlorure / Amonio cloruro* NH_4Cl $M = 53{,}49$ g/mol	FTP. *2830*	10 kg	price on request			
11212 **Ammonium chloride** technical cryst. *Ammonium chlorure / Amonio cloruro* NH_4Cl $M = 53{,}49$ g/mol assay ..... 99 % sulphated ash ..... 0,2 % iron (Fe) ..... 0,01 % heavy metals (as Pb) ..... 0,001 % sulphate (SO_4) ..... 0,01 %	PF. S. *2830*	2,5 kg 50 kg	16,25 price on request	13,50	12,70	1. .0
09035 **Ammonium chloride-d_4** deuteration degree not less than 99 atom % D *Ammonium chlorure-d_4 / Amonio cloruro-d_4* ND_4Cl $M = 57{,}46$ g/mol	A. *2851*	5 g	186,—	158,10	148,80	139,50

refer explanations

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31203	**Ammonium chlorocuprate(II)** R. G., Reag. ACS *Ammonium chlorocuprate(II) / Amonio clorocuprato(II)* $(NH_4)_2[CuCl_4] \cdot 2H_2O$ $M = 277{,}47$ g/mol assay ..... min. 99% insoluble in water ..... max. 0,005% free acid (as HCl) ..... max. 0,05% iron (Fe) ..... max. 0,002% substances not precipitated by hydrogen sulphide (as sulphates) ..... max. 0,15% nitrate (NO_3) ..... max. 0,005% sulphate (SO_4) ..... max. 0,005%	PF. PF. *2848*	250 g 1 kg	23,25 77,50	19,75 65,90	18,60 62,—	17,45 59,70
12801	**Ammonium chlorocuprate(II)** pure cryst. *Ammonium chlorocuprate(II) / Amonio clorocuprato(II)* $(NH_4)_2[CuCl_4] \cdot 2H_2O$ $M = 277{,}47$ g/mol assay ..... 98% iron (Fe) ..... 0,005% sulphate (SO_4) 0,01%	PF. PF. FTP. *2848*	1 kg 5 kg 50 kg	54,— 227,—	45,90 188,40 price on request	43,20 177,05	41,60 170,25
	Ammonium citrate dibasic see *di*-Ammonium hydrogen citrate						
	Ammonium copper(II) chloride see Ammonium chlorocuprate(II)						
31202 C 5.1 1439 2	**Ammonium dichromate** cryst. R. G. *Ammonium dichromate / Amonio dicromato* $(NH_4)_2Cr_2O_7$ $M = 252{,}06$ g/mol assay ..... min. 99% insoluble in water ..... max. 0,005% aluminium (Al) ..... max. 0,005% calcium (Ca) ..... max. 0,01% iron (Fe) ..... max. 0,002% potassium (K) ..... max. 0,3% sodium (Na) ..... max. 0,005% chloride (Cl) ..... max. 0,001% sulphate (SO_4) ..... max. 0,01% R: 1-8-36/37/38 S: 28-35 disposal: 16	PF. PF. *2847*	250 g 1 kg	17,— 49,75	14,45 42,30	13,60 39,80	12,75 38,30
12203 C 5.1 1439 2	**Ammonium dichromate** chem. pure cryst. *Ammonium dichromate / Amonio dicromato* $(NH_4)_2Cr_2O_7$ $M = 252{,}06$ g/mol assay ..... 99% iron (Fe) ..... 0,005% potassium (K) ..... 0,2% sodium (Na) ..... 0,01% chloride (Cl) ..... 0,005% sulphate (SO_4) ..... 0,02% R: 1-8-36/37/38 S: 28-35 disposal: 16	PF. PF. PF. S. *2847*	500 g 1 kg 5 kg 50 kg	17,50 31,75 132,50	14,90 27,— 110,— price on request	14,— 25,40 103,35	13,50 24,45 99,40
12205 C 5.1 1439 2	**Ammonium dichromate** technical cryst. *Ammonium dichromate / Amonio dicromato* $(NH_4)_2Cr_2O_7$ $M = 252{,}06$ g/mol. assay ..... 98% chloride (Cl) ..... 0,05% sulphate (SO_4) ..... 0,05% R: 1-8-36/37/38 S: 28-35 disposal: 16	PF. BLT. *2847*	2,5 kg 200 kg	61,50	51,05 price on request	47,95	46,15
60366	**Ammonium-0,0-diethyl dithiophosphate** PROSYNTH® *Ammonium-0-0-diéthyldithiophosphate / Amonio-0,0-dietilditiofosfato* $(C_2H_5O)_2PS(SNH_4)$ $C_4H_{14}NO_2PS_2$ $M = 203{,}26$ g/mol assay 99%	PF. *2921*	1 kg	44,50	37,85	35,60	34,25

POLYPEHA® universal and special indicator papers in strips

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
30401	**Ammonium dihydrogen phosphate** R. G., Reag. ACS *Ammonium dihydrogénophosphate / Amonio dihidrógeno-fosfato* $NH_4H_2PO_4$ *M* = 115,03 g/mol assay ..... min. 99% insoluble in water ..... max. 0,005% pH (5%, 20 °C) ..... 4,0–4,4 arsenic (As) ..... max. 0,00005% iron (Fe) ..... max. 0,001% potassium (K) ..... max. 0,005% sodium (Na) ..... max. 0,005% heavy metals (as Pb) ..... max. 0,0005% chloride (Cl) ..... max. 0,0005% nitrate (NO_3) ..... max. 0,001% sulphate (SO_4) ..... max. 0,005%	PF. PF. FTP. *2840*	500 g 1 kg 50 kg	15,50 28,— kg	13,20 23,80 17,75	12,40 22,40	11,9 21,5
04208	**Ammonium dihydrogen phosphate** pure cryst. *Ammonium dihydrogénophosphate / Amonio dihidrógeno-fosfato* $NH_4H_2PO_4$ *M* = 115,03 g/mol assay ..... 98,5% arsenic (As) ..... 0,0001% pH (5%, 20 °C) ..... 4 – 5 iron (Fe) ..... 0,001% heavy metals (as Pb) ..... 0,001% chloride (Cl) ..... 0,001% sulphate (SO_4) 0,005%	PF. S. *2840*	1 kg 50 kg	14,75	12,55 price on request	11,80	11,3
04210	**Ammonium dihydrogen phosphate** technical *Ammonium dihydrogénophosphate / Amonio dihidrógeno-fosfato* $NH_4H_2PO_4$ *M* = 115,03 g/mol assay ..... 99% iron (Fe) ..... 0,002% heavy metals (as Pb) ..... 0,002% chloride (Cl) ..... 0,005% sulphate (SO_4) 0,01%	PF. S. *2840*	5 kg 50 kg	45,—	37,35 price on request	35,10	33,75
60365	**Ammonium-0,0-dimethyl dithiophosphate** PROSYNTH® *Ammonium-0-0-diméthyldithiophosphate / Amonio-0,0-dimetilditiofosfato* $(CH_3O)_2PS(SNH_4)$ $C_2H_{10}NO_2PS_2$ *M* = 175,21 g/mol assay ..... 97% $(CH_3O)_2P(S)ONH_4$ 2%	PF. *2921*	1 kg	44,50	37,85	35,60	34,25

refer explanations

de-Number RID/ADR GGVE/GGVS MDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
0101 6.1 2505 3	**Ammonium fluoride** R. G., Reag. ACS *Ammonium fluorure / Amonio fluoruro* NH_4F $M = 37,04$ g/mol assay ..... min. 98% ammonium hydrogen fluoride ..... max. 1% insoluble in water ..... max. 0,005% residue on ignition (as sulphates) ..... max. 0,005% iron (Fe) ..... max. 0,0005% heavy metals (as Pb) ..... max. 0,0005% chloride (Cl) ..... 0,0005% fluorosilicate (as SiF_6) ..... max. 0,1% sulphate (SO_4) ..... max. 0,005% R: 23/24/25 S: 1/2-26-44 disposal: 27	PF. PF. PF. FTP. *2829*	100 g 500 g 1 kg 50 kg	8,75 26,25 46,50 kg	7,45 22,30 39,55 29,—	7,— 21,— 37,20	6,55 20,20 35,80
7838 6.1 2505 3	**Ammonium fluoride** PURANAL® *Ammonium fluorure / Amonio fluoruro* NH_4F $M = 37,04$ g/mol analytical data on request R: 23/24/25 S: 1/2-26-44 disposal: 27	PF. FTP. *2829*	2,5 kg 50 kg	price on request price on request			
17924 C 6.1 2810 2	**Ammonium fluoride solution** 40%, **MOS** PURANAL® particle class 0-2 *Ammonium fluorure en solution / Amonio fluoruro en solución* NH_4F $M = 37,04$ g/mol **1 L ≈ 1,11 kg** assay ..... min. 40% residue of ignition (as sulphates) ..... max. 10 ppm pH (1%) ..... 6,2—7,0 aluminium (Al) ..... max. 0,5 ppm antimony (Sb) ..... max. 0,05 ppm arsenic (As) ..... max. 0,05 ppm barium (Ba) ..... max. 0,1 ppm beryllium (Be) ..... max. 0,05 ppm lead (Pb) ..... max. 0,1 ppm cadmium (Cd) ..... max. 0,1 ppm calcium (Ca) ..... max. 0,5 ppm chromium (Cr) ..... max. 0,1 ppm iron (Fe) ..... max. 0,5 ppm gallium (Ga) ..... max. 0,1 gold (Au) ..... max. 0,05 ppm indium (In) ..... max. 0,05 ppm potassium (K) ..... max. 0,1 ppm cobalt (Co) ..... max. 0,05 ppm copper (Cu) ..... max. 0,1 ppm lithium (Li) ..... max. 0,1 ppm magnesium (Mg) ..... max. 0,2 ppm manganese (Mn) ..... max. 0,05 ppm molybdenum (Mo) ..... max. 0,05 ppm sodium (Na) ..... max. 0,2 ppm nickel (Ni) ..... max. 0,05 ppm platinum (Pt) ..... max. 0,05 ppm silver (Ag) ..... max. 0,05 ppm strontium (Sr) ..... max. 0,1 ppm thallium (Tl) ..... max. 0,05 ppm titanium (Ti) ..... max. 0,1 ppm vanadium (V) ..... max. 0,1 ppm bismuth (Bi) ..... max. 0,05 ppm zinc (Zn) ..... max. 0,1 ppm tin (Sn) ..... max. 0,1 ppm zirconium (Zr) ..... max. 0,05 ppm chloride (Cl) ..... max. 4 ppm nitrate (NO_3) ..... max. 3 ppm phosphate (PO_4) ..... max. 1 ppm sulphate (SO_4) ..... max. 2 ppm R: 23/24/25 S: 1/2-26-44 disposal: 27	PF. *2829*	2,5 L	price on request			

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17884 C 6.1 2810 2	**Ammonium fluoride solution** 40% PURANAL® *Ammonium fluorure en solution / Amonio fluoruro en solución* NH_4F $M = 37{,}04$ g/mol assay (NH_4F) ..... min. 40% residue on ignition (as sulphate) ..... max. 10 ppm pH (1% solution) ..... 6,2—7,0 aluminium (Al) ..... max. 0,5 ppm antimony (Sb) ..... max. 0,05 ppm arsenic (As) ..... max. 0,05 ppm barium (Ba) ..... max. 0,1 ppm beryllium (Be) ..... max. 0,05 ppm lead (Pb) ..... max. 0,1 ppm cadmium (Cd) ..... max. 0,1 ppm calcium (Ca) ..... max. 0,5 ppm chromium (Cr) ..... max. 0,1 ppm iron (Fe) ..... max. 0,5 ppm gallium (Ga) ..... max. 0,1 ppm gold (Au) ..... max. 0,05 ppm indium (In) ..... max. 0,05 ppm potassium (K) ..... max. 0,1 ppm cobalt (Co) ..... max. 0,05 ppm copper (Cu) ..... max. 0,1 ppm lithium (Li) ..... max. 0,1 ppm magnesium (Mg) ..... max. 0,2 ppm manganese (Mn) ..... max. 0,05 ppm molybdenum (Mo) ..... max. 0,05 ppm sodium (Na) ..... max. 0,2 ppm nickel (Ni) ..... max. 0,05 ppm platinum (Pt) ..... max. 0,05 ppm silver (Ag) ..... max. 0,05 ppm strontium (Sr) ..... max. 0,1 ppm thallium (Tl) ..... max. 0,05 ppm titanium (Ti) ..... max. 0,1 ppm vanadium (V) ..... max. 0,1 ppm bismuth (Bi) ..... max. 0,05 ppm zinc (Zn) ..... max. 0,1 ppm tin (Sn) ..... max. 0,1 ppm zirkonium (Zr) ..... max. 0,05 ppm chloride (Cl) ..... max. 4 ppm nitrate (NO_3) ..... max. 3 ppm phosphate (PO_4) ..... max. 1 ppm sulphate (SO_4) ..... max. 2 ppm R: 23/24/25 S: 1/2-26-44 disposal: 27	PK. FPF. F. *2829*	5 L 65 kg 220 kg	price on request price on request price on request			
01108 C 6.1 2505 3	**Ammonium fluoride** chem. pure *Ammonium fluorure / Amonio fluoruro* NH_4F $M = 37{,}04$ g/mol assay ..... 96% residue on igniton (as sulphates) ..... 0,01% iron (Fe) ..... 0,002% heavy metals (as Pb) ..... 0,0005% chloride (Cl) ..... 0,001% sulphate (SO_4) ..... 0,005% R: 23/24/25 S: 1/2-26-44 disposal: 27	PF. PF. S. *2829*	500 g 1 kg 40 kg	19,75 36,— price on request	16,80 30,60	15,80 28,80	15,20 27,70
01105 C 6.1 2505 3	**Ammonium fluoride** technical *Ammonium fluorure / Amonio fluoruro* NH_4F $M = 37{,}04$ g/mol assay ..... 95% iron (Fe) ..... 0,005% heavy metals (as Pb) ..... 0,001% sulphate (SO_4) ..... 0,01% R: 23/24/25 S: 1/2-26-44 disposal: 27	PF. S. *2829*	2,5 kg 40 kg	32,75 price on request	27,20	25,55	24,55
17923 A 8/6D C 8 1790	**Ammonium fluoride/hydrofluoric acid-etching mixture** **MOS** PURANAL® particle class 0-2 *Ammonium fluorure/acide fluorhydrique-mélange corrosif* *Amonio fluoruro/acido fluorhídrico-mezcla corrosiva* R: 26/27/28-35 S: 7/9-26-36/37-45 disposal: 27	PF. *2829*	2,5 L	price on request			

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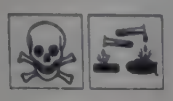
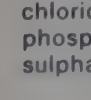
17954 A 8/6D C 8 1790 2	**Ammonium fluoride/hydrofluoric acid-etching mixture** PURANAL® *Ammonium fluorure/acide fluorhydrique-mélange d'attaque / Amonio fluoruro/acido fluorhídrico-mezcla cáustica*  R: 26/27/28-35 S: 7/9-26-36/37-45 disposal: 27	PK. *3813*	5 L	price on request			
01501 C 6.1 * 2854 3	**Ammonium fluoroborate** *Ammonium fluoroborate / Amonio fluoroborato* NH_4BF_4 $M = 104{,}84$ g/mol assay ..... 99 % iron (Fe) ..... 0,001 % heavy metals (as Pb) ..... 0,001 % sulphate (SO_4) ..... 0,001 %	PF. PF. S. *2829*	1 kg 5 kg 50 kg	27,— 114,50 price on request	22,95 95,05	21,60 89,30	20,80 85,90
01401 C 6.1 2854 3	**Ammonium fluorosilicate** *Ammonium fluorosilicate / Amonio fluorosilicato* $(NH_4)_2SiF_6$ $M = 178{,}15$ g/mol assay ..... 98 %  R: 23/24/25 S: 1/2-26-44 disposal: 27	PF. PF. S. *2829*	1 kg 5 kg 50 kg	14,75 55,50 price on request	12,55 46,05	11,80 43,30	11,35 41,65
25204	**Ammonium formate** pure *Ammonium formiate / Amonio formiato* $HCOONH_4$ CH_5NO_2 $M = 63{,}06$ g/mol assay ..... 98 % pH (5 %, 20 °C) ..... 6—7 iron (Fe) ..... 0,001 % heavy metals (as Pb) ..... 0,002 % chloride (Cl) ..... 0,005 % sulphate (SO_4) ..... 0,01 %	PF. PF. S. *2914*	500 g 1 kg 50 kg	16,50 29,50 price on request	14,05 25,10	13,20 23,60	12,70 22,70
	Ammonium heptamolybdate see Ammonium molybdate						
11213	**Ammonium hydrogen carbonate** chem. pure crystalline powder B. P. C. 1973 *Ammonium hydrogénocarbonate / Amonio hidrógeno-carbonato* NH_4HCO_3 $M = 79{,}06$ g/mol assay ..... 99,8 % sulphated ash ..... 0,005 % arsenic (As) ..... 0,0001 % iron (Fe) ..... 0,0005 % heavy metals (as Pb) ..... 0,0005 % chloride (Cl) ..... 0,001 % sulphate (SO_4) ..... 0,005 %	PF. PF. S. *2842*	1 kg 5 kg 50 kg	9,75 28,50 price on request	8,30 23,65	7,80 22,25	7,50 21,40
	Ammonium hydrogen carbonate see also Ammonium carbonate						
32303	*di*-**Ammonium hydrogen citrate** R. G. *di-Ammonium hydrogénocitrate / di-Amonio hidrógeno-citrato* $(NH_4)_2C_6H_6O_7$ $C_6H_{14}N_2O_7$ $M = 226{,}19$ g/mol assay of NH_3 ..... 14,7—15,5 % insoluble in water ..... max. 0,005 % residue on ignition ..... max. 0,02 % pH (5 %, 20 °C) ..... 5,0—5,5 iron (Fe) ..... max. 0,0005 % heavy metals (as Pb) ..... max. 0,0005 % chloride (Cl) ..... max. 0,0005 % phosphate (PO_4) ..... max. 0,001 % sulphate (SO_4) ..... max. 0,005 %	PF. PF. PF. FTP. *2916*	250 g 500 g 1 kg 50 kg	15,— 24,25 43,75 kg	12,75 20,60 37,20 21,50	12,— 19,40 35,—	11,25 18,65 33,70

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25102	***di*-Ammonium hydrogen citrate** pure *di-Ammonium hydrogénocitrate / di-Amonio hidrógeno-citrato* $(NH_4)_2C_6H_6O_7$ $C_8H_{14}N_2O_7$ $M = 226{,}19$ g/mol assay of NH_3 ..... 14,7 – 15,5 % pH (5 %, 20 °C) ..... 5,0 – 5,5 iron (Fe) ..... 0,001 % heavy metals (as Pb) ..... 0,001 % chloride (Cl) ..... 0,005 % sulphate (SO_4) ..... 0,01 %	PF. PF. S. *2916*	500 g 1 kg 25 kg	17,50 32,25 kg	14,90 27,40 18,70	14,— 25,80	13, 24,8
17939 A 8/15A C 8 1727 2	**Ammonium hydrogen fluoride** PURANAL® *Ammonium hydrogénofluorure / Amonio hidrógeno-fluoruro* NH_4HF_2 $M = 57{,}04$ g/mol analytical data on request R: 25-34 S: 22-26-37 disposal: 27	PF. FTP. *2829*	2,5 kg 50 kg	price on request price on request			
01110 A 8/15A C 8 1727 2	**Ammonium hydrogen fluoride** chem. pure *Ammonium hydrogénofluorure / Amonio hidrógeno-fluoruro* NH_4HF_2 $M = 57{,}04$ g/mol assay ..... 99 % ammonium fluorosilicate [$(NH_4)_2SiF_6$] ..... 0,1 % iron (Fe) ..... 0,001 % heavy metals (as Pb) ..... 0,001 % sulphate (SO_4) ..... 0,003 % R: 25-34 S: 22-26-37 disposal: 27	PF. PF. S. FTP. *2829*	1 kg 2,5 kg 25 kg 50 kg	29,— 62,— price on request price on request	24,65 51,45	23,20 48,35	22,35 46,50
01109 A 8/15A C 8 1727 2	**Ammonium hydrogen fluoride** pure *Ammonium hydrogénofluorure / Amonio hidrógeno-fluoruro* NH_4HF_2 $M = 57{,}04$ g/mol assay ..... 99 % iron (Fe) ..... 0,005 % heavy metals (as Pb) ..... 0,005 % sulphate (SO_4) ..... 0,01 % R: 25-34 S: 22-26-37 disposal: 27	PF. PF. S. FTP. *2829*	1 kg 2,5 kg 25 kg 50 kg	17,50 37,25 price on request price on request	14,90 30,90	14;— 29,05	13,50 27,95
01207 A 8/15A C 8 1727 2	**Ammonium hydrogen fluoride** scales, special quality for surface treatment of aluminium *Ammonium hydrogénofluorure / Amonio hidrógenofluoruro* NH_4HF_2 $M = 57{,}04$ g/mol assay (ex fluorine) ..... 98 % lead (Pb) ..... 0,25 % R: 25-34 S: 22-26-37 disposal: 27	S. FTP. *2829*	50 kg 50 kg	price on request price on request			
01111 A 8/15A C 8 1727 2	**Ammonium hydrogen fluoride** technical cryst. *Ammonium hydrogénofluorure / Amonio hidrógeno-fluoruro* NH_4HF_2 $M = 57{,}04$ g/mol assay ..... 97 % R: 25-34 S: 22-26-37 disposal: 27	PF. PF. S. FTP. *2829*	1 kg 2,5 kg 50 kg 50 kg	13,— 26,75 price on request price on request	11,05 22,20	10,40 20,85	10,— 20,05

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1173 8/15A 8 1727 2	**Ammonium hydrogen fluoride** technical scales *Ammonium hydrogénofluorure / Amonio hidrógeno-fluoruro* NH_4HF_2 $M = 57{,}04$ g/mol assay (ex fluorine) ..... 98% R: 25-34 S: 22-26-37 disposal: 27	PF. S. FTP. *2829*	2,5 kg 50 kg 50 kg	27,—	22,40 price on request price on request	21,05	20,25
30402	*di*-**Ammonium hydrogen phosphate** R. G., Reag. ACS, Reag. Ph. Eur. I *di-Ammonium hydrogénophosphate / di-Amonio hidrógeno-fosfato* $(NH_4)_2HPO_4$ $M = 132{,}06$ g/mol assay ..... min. 99% insoluble in water ..... max. 0,005% pH (5%, 20 °C) ..... 7,8—8,2 arsenic (As) ..... max. 0,00005% iron (Fe) ..... max. 0,0005% potassium (K) ..... max. 0,001% sodium (Na) ..... max. 0,002% heavy metals (as Pb) ..... max. 0,001% chloride (Cl) ..... max. 0,0005% nitrate (NO_3) ..... max. 0,001% sulphate (SO_4) ..... max. 0,002%	PF. PF. PF. FTP. *2840*	250 g 500 g 1 kg 50 kg	10,50 16,— 29,— kg	8,95 13,60 24,65 15,25	8,40 12,80 23,20	7,90 12,30 22,35
04211	*di*-**Ammonium hydrogen phosphate** chem. pure cryst. Erg. B. 6 *di-Ammonium hydrogénophosphate / di-Amonio hidrógeno-fosfato* $(NH_4)_2HPO_4$ $M = 132{,}06$ g/mol assay ..... 99% arsenic (As) ..... 0,0002% iron (Fe) ..... 0,002% heavy metals (as Pb) ..... 0,0005% chloride (Cl) ..... 0,005% sulphate (SO_4) 0,02%	PF. PF. PF. S. *2840*	500 g 1 kg 2,5 kg 50 kg	10,50 19,— 40,50	8,95 16,15 33,60 price on request	8,40 15,20 31,60	8,10 14,65 30,40
04212	*di*-**Ammonium hydrogen phosphate** pure cryst. *di-Ammonium hydrogénophosphate / di-Amonio hidrógeno-fosfato* $(NH_4)_2HPO_4$ $M = 132{,}06$ g/mol assay ..... 99% iron (Fe) ..... 0,005% heavy metals (as Pb) ..... 0,005% chloride (Cl) ..... 0,01% sulphate (SO_4) 0,05%	PF. S. *2840*	2,5 kg 50 kg	36,75	30,50 price on request	28,65	27,55
04213	*di*-**Ammonium hydrogen phosphate** technical *di-Ammonium hydrogénophosphate / di-Amonio hidrógeno-fosfato* $(NH_4)_2HPO_4$ $M = 132{,}06$ g/mol assay ..... 98,5% iron (Fe) ..... 0,005% heavy metals (as Pb) ..... 0,005% chloride (Cl) ..... 0,02% sulphate (SO_4) 0,1%	PF. S. *2840*	5 kg 50 kg	47,75	39,65 price on request	37,25	35,80
11215	**Ammonium hydrogen sulphite solution** 50% pure *Ammonium hydrogénosulfite en solution / Amonio hidrógeno-sulfito en solución* NH_4HSO_3 $M = 99{,}11$ g/mol 1 L ≈ 1,26 kg assay ..... 48—52% residue on ignition ..... 0,01% pH (1 + 19, 20 °C) ..... 3,3—3,7 iron (Fe) ..... 0,0005% heavy metals (as Pb) 0,0005%	FL. BAS. *2837*	1 L 30 kg	16,50	14,05 price on request	13,20	12,70

Ammonium hydroxide solution see Ammonia solution

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04401	**Ammonium hypophosphite** chem. pure *Ammonium hypophosphite / Amonio hipofosfito* $NH_4PH_2O_2$ $M = 83{,}03$ g/mol assay ..... 97 % arsenic (As) ..... 0,0005 % calcium (Ca) ..... 0,05 % iron (Fe) ..... 0,001 % heavy metals (as Pb) ..... 0,001 % chloride (Cl) ..... 0,01 % phosphite (as H_3PO_3) ..... 1 % sulphate (SO_4) ..... 0,01 %	PF. FTP. *2840*	1 kg 50 kg	73,50	62,50 price on request	58,80	56,6
	Ammonium hyposulphite see Ammonium thiosulphate						
30328	**Ammonium iodide** R. G., Reag. ACS *Ammonium iodure / Amonio yoduro* NH_4J $M = 144{,}94$ g/mol assay ..... min. 99,5 % insoluble in water ..... max. 0,005 % loss on drying (105 °C) ..... max. 0,05 % sulphated ash ..... max. 0,02 % pH (5 %, 20 °C) ..... 4,5—6,5 barium (Ba) ..... max. 0,002 % lead (Pb) ..... max. 0,0001 % calcium (Ca) ..... max. 0,001 % iron (Fe) ..... max. 0,0002 % copper (Cu) ..... max. 0,0001 % chloride and bromide (as Cl) ..... max. 0,005 % iodate (IO_3) ..... max. 0,0005 % phosphate (PO_4) ..... max. 0,001 % sulphate (SO_4) ..... max. 0,002 %	WG. *2830*	100 g	31,75	27,—	25,40	23,8
03101	**Ammonium iodide** chem. pure *Ammonium iodure / Amonio yoduro* NH_4J $M = 144{,}94$ g/mol assay ..... 99 % loss on drying (105 °C) ..... 1 % sulphated ash ..... 0,1 % pH (5 %, 20 °C) ..... 4,5—6,5 arsenic (As) ..... 0,0005 % iron (Fe) ..... 0,002 % heavy metals (as Pb) ..... 0,001 % chloride and bromide (as Cl) ..... 0,02 % iodate and iodine (as I) ..... 0,01 % sulphate (SO_4) ..... 0,01 % thiosulphate (S_2O_3) ..... 0,01 %	WG. WG. *2830*	100 g 1 kg	16,50 123,50	14,05 105,—	13,20 98,80	12,40 95,10
	Ammonium iron(III) and solution-IDRANAL® see IDRANAL®						
25130	**Ammonium iron(III) citrate** brown granulated U.S.P. XIV *Ammonium-fer(III) citrate / Amonio e hierro(III) citrato*	PF. PF. *2916*	500 g 2,5 kg	14,— 53,50	11,90 44,40	11,20 41,75	10,80 40,15
25131	**Ammonium iron(III) citrate** green granulated Erg. B. 6 *Ammonium-fer(III) citrate / Amonio e hierro(III) citrato*	PF. PF. *2916*	500 g 2,5 kg	14,— 53,50	11,90 44,40	11,20 41,75	10,80 40,15
12302 C 6.1 2449 3	**Ammonium iron(III) oxalate** pure cryst. *Ammonium-fer(III) oxalate / Amonio e hierro(III) oxalato* $(NH_4)_3[Fe(C_2O_4)_3] \cdot 3H_2O$ $C_6H_{12}FeN_3O_{12} \cdot 3H_2O$ $M = 428{,}07$ g/mol assay ..... 99,5 % chloride (Cl) ..... 0,002 % sulphate (SO_4) ..... 0,02 % R: 21/22 S: 2-24/25 disposal: 8	PF. S. *2915*	1 kg 50 kg	20,75	17,65 price on request	16,60	16,—

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Code-Number
A) RID/ADR
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C) IMDG-CODE (GGVSee)

Code-Number		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
31105	**Ammonium iron(II) sulphate-6-hydrate** (max. 0,002% Mn) R. G. *Ammonium-fer(II) sulfate-6-hydrate / Amonio e hierro(II) sulfato-6-hidrato* $(NH_4)_2[Fe(SO_4)_2] \cdot 6H_2O$ $M = 392{,}14$ g/mol assay ..... min. 99,5% insoluble in water ..... max. 0,005% iron(III) (Fe^{3+}) ..... max. 0,005% lead (Pb) ..... max. 0,0002% calcium (Ca) ..... max. 0,01% potassium (K) ..... max. 0,01% cobalt (Co) ..... max. 0,002% copper (Cu) ..... max. 0,0005% magnesium (Mg) ..... max. 0,005% manganese (Mn) ..... max. 0,002% sodium (Na) ..... max. 0,01% zinc (Zn) ..... max. 0,0005% chloride (Cl) ..... max. 0,001% phosphate (PO_4) ..... max. 0,003%	PF. *2838*	500 g	31,50	26,80	25,20	24,25
31110	**Ammonium iron(II) sulphate-6-hydrate** R. G. Reag. ISO, Reag. Ph. Eur. I *Ammonium-fer(II) sulfate-6-hydrate / Amonio e hierro(II) sulfato-6-hidrato* $(NH_4)_2[Fe(SO_4)_2] \cdot 6H_2O$ $M = 392{,}14$ g/mol assay ..... 99–101% pH (5%, 20°C) ..... 3–5 lead (Pb) ..... max. 0,002% iron(III) (Fe^{3+}) ..... max. 0,005% calcium (Ca) ..... max. 0,002% potassium (K) ..... max. 0,001% copper (Cu) ..... max. 0,002% magnesium (Mg) ..... max. 0,01% manganese (Mn) ..... max. 0,05% sodium (Na) ..... max. 0,001% zinc (Zn) ..... max. 0,003% chloride (Cl) ..... max. 0,001% phosphate (PO_4) ..... max. 0,002%	PF. PF. PF. FTP. *2838*	500 g 1 kg 5 kg 50 kg	12,– 20,25 83,– kg	10,20 17,20 68,90 8,50	9,60 16,20 64,75	9,25 15,60 62,25
12304	**Ammonium iron(II) sulphate-6-hydrat** chem. pure cryst. *Ammonium-fer(II) sulfate-6-hydrate / Amonio e hierro(II) sulfato-6-hidrato* $(NH_4)_2[Fe(SO_4)_2] \cdot 6H_2O$ $M = 392{,}14$ g/mol assay ..... 99% calcium (Ca) ..... 0,02% iron(III) (Fe^{3+}) ..... 0,01% potassium (K) ..... 0,01% copper (Cu) ..... 0,002% magnesium (Mg) ..... 0,02% sodium (Na) ..... 0,01% zinc (Zn) ..... 0,01% chloride (Cl) 0,005%	PF. PF. S. *2838*	1 kg 5 kg 50 kg	14,75 56,– price on request	12,55 46,50	11,80 43,70	11,35 42,–
31111	**Ammonium iron(III) sulphate** R. G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I *Ammonium-fer(III) sulfate / Amonio e hierro(III) sulfato* $NH_4Fe(SO_4)_2 \cdot 12H_2O$ $M = 482{,}19$ g/mol assay ..... 99,5–104,0% insoluble in water ..... max. 0,005% lead (Pb) ..... max. 0,001% calcium (Ca) ..... max. 0,002% iron(II) (Fe^{2+}) ..... max. 0,001% potassium (K) ..... max. 0,01% copper (Cu) ..... max. 0,002% magnesium (Mg) ..... max. 0,001% manganese (Mn) ..... max. 0,005% sodium (Na) ..... max. 0,01% zinc (Zn) ..... max. 0,001% chloride (Cl) ..... max. 0,0005% nitrate (NO_3) ..... max. 0,01% phosphate (PO_4) ..... max. 0,002%	PF. PF. PF. FTP. *2838*	500 g 1 kg 2,5 kg 50 kg	11,– 17,50 37,25 kg	9,35 14,90 30,90 8,80	8,80 14,– 29,05	8,45 13,50 27,95

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96 (16 Box
12303	**Ammonium iron(III) sulphate** Erg. B. 6 *Ammonium-fer(III) sulfate / Amonio e hierro(III) sulfato* $NH_4Fe(SO_4)_2 \cdot 12H_2O$ $M = 482{,}19$ g/mol 97 % assay ..... 0,001 % iron(II) (Fe^{2+}) ..... 0,002 % copper (Cu) ..... 0,005 % zinc (Zn) ..... 0,003 % chloride (Cl)	PF. PF. S. *2838*	1 kg 5 kg 50 kg	13,50 50,50 price on request	11,50 41,90	10,80 39,40	10, 37,
04255	**Ammonium magnesium phosphate-6-hydrate** chem. pure *Ammonium-magnésium phosphate-6-hydrate / Amonio y magnesio fosfato-6-hidrato* $NH_4MgPO_4 \cdot 6H_2O$ $M = 245{,}41$ g/mol 99 % assay ..... 6,7—7,1 % assay of NH_3 ..... 0,001 % iron (Fe) ..... 0,002 % heavy metals (as Pb) ..... 0,005 % chloride (Cl) ..... 0,05 % sulphate (SO_4)	PF. PF. FTP. *2848*	500 g 2,5 kg 25 kg	34,50 136,50 price on request	29,35 113,30	27,60 106,45	26, 102,
	Ammonium metavanadate see Ammonium *meta*-vanadate						
31402	**Ammonium molybdate** R. G., Reag. Ph. Eur. I *Ammonium molybdate / Amonio molibdato* $(NH_4)_6Mo_7O_{24} \cdot 4H_2O$ $M = 1235{,}86$ g/mol assay ..... min. 99 % insoluble in water ..... max. 0,005 % iron (Fe) ..... max. 0,0005 % heavy metals (as Pb) ..... max. 0,001 % chloride (Cl) ..... max. 0,0005 % nitrate (NO_3) ..... max. 0,003 % phosphate, arsenate and silicate (as PO_4) max. 0,001 % sulphate (SO_4) ..... max. 0,005 %	WG. WG. WG. WG. FTP. *2847*	100 g 500 g 1 kg 2,5 kg 50 kg	price on request price on request price on request price on request price on request			
13301	**Ammonium molybdate** chem. pure cryst. Erg. B. 6 *Ammonium molybdate / Amonio molibdato* $(NH_4)_6Mo_7O_{24} \cdot 4H_2O$ $M = 1235{,}86$ g/mol assay of MoO_3 ..... 81—83 % iron (Fe) ..... 0,002 % chloride (Cl) ..... 0,002 % phosphate, arsenate, silicate (as PO_4) ..... 0,001 % sulphate (SO_4) ..... 0,02 %	WG. WG. FTP. *2847*	250 g 1 kg 25 kg	price on request price on request price on request			
13302	**Ammonium molybdate** chem. pure coarse powder *Ammonium molybdate / Amonio molibdato* $(NH_4)_6Mo_7O_{24} \cdot 4H_2O$ $M = 1235{,}86$ g/mol assay of MoO_3 ..... 81—83 % iron (Fe) ..... 0,002 % chloride (Cl) ..... 0,002 % phosphate, arsenate, silicate (as PO_4) ..... 0,001 % sulphate (SO_4) ..... 0,02 %	WG. FTP. *2847*	1 kg 25 kg	price on request price on request			
	Ammonium molybdate-thiomolybdic acid solution see Splittgerber's reagent						
	Ammonium monovanadate see Ammonium *meta*-vanadate						
	Ammonium a-naphthylnitrosohydroxylamine see Neocupferron						
13602	**Ammonium nickel sulphate** pure cryst. for nickel plating *Ammonium-nickel sulfate / Amonio y niquel sulfato* $(NH_4)_2Ni(SO_4)_2 \cdot 6H_2O$ $M = 394{,}99$ g/mol assay ..... 98—100 % pH (5 %, 20 °C) ..... 4—6 iron (Fe) ..... 0,0005 % cobalt (Co) ..... 0,3 % zinc (Zn) ..... 0,05 % chloride (Cl) ..... 0,01 %	PF. PF. S. *2838*	1 kg 5 kg 50 kg	36,— 145,— price on request	30,60 120,35	28,80 113,10	27,7 108,7

refer explanations

Code-Number) RID/ADR) GGVE/GGVS) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
31114 A 5.1/6A B - C 5.1 1942 3	**Ammonium nitrate** R. G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I *Ammonium nitrate / Amonio nitrato* NH_4NO_3 $M = 80,04$ g/mol assay ..... min. 99% insoluble in water ..... max. 0,005% pH (5%, 20 °C) ..... 4,5—6,0 calcium (Ca) ..... max. 0,002% iron (Fe) ..... max. 0,0001% potassium (K) ..... max. 0,001% magnesium (Mg) ..... max. 0,001% sodium (Na) ..... max. 0,001% heavy metals (as Pb) ..... max. 0,0005% chloride (Cl) ..... max. 0,0005% nitrite (NO_2) ..... max. 0,0005% phosphate (PO_4) ..... max. 0,0005% sulphate (SO_4) ..... max. 0,002%	PF. PF. PF. FTP. *2839*	500 g 1 kg 2,5 kg 50 kg	11,— 17,75 37,75 kg	9,35 15,10 31,35 7,75	8,80 14,20 29,45	8,45 13,65 28,30
11217 A 5.1/6A B - C 5.1 1942 3	**Ammonium nitrate** chem. pure cryst. *Ammonium nitrate / Amonio nitrato* NH_4NO_3 $M = 80,04$ g/mol assay ..... 99% residue on ignition (as sulphates) ..... 0,05% pH (5%, 20 °C) ..... 4,5—6,0 calcium (Ca) ..... 0,005% iron (Fe) ..... 0,0002% magnesium (Mg) ..... 0,001% heavy metals (as Pb) ..... 0,001% chloride (Cl) ..... 0,001% phosphate (PO_4) ..... 0,0005% sulphate (SO_4) 0,005%	PF. PF. S. *2839*	1 kg 5 kg 50 kg	13,25 48,— price on request	11,25 39,85	10,60 37,45	10,20 36,—
11216 A 5.1/6A B - C 5.1 1942 3	**Ammonium nitrate** pure cryst. *Ammònium nitrate / Amonio nitrato* NH_4NO_3 $M = 80,04$ g/mol assay ..... 98% residue on ignition (as sulphates) ..... 0,1% pH (5%, 20 °C) ..... 4,5—6,0 iron (Fe) ..... 0,0005% heavy metals (as Pb) ..... 0,002% chloride (Cl) ..... 0,002% phosphate (PO_4) ..... 0,0005% sulphate (SO_4) 0,01%	PF. S. *2839*	5 kg 50 kg	44,75 price on request	37,15	34,90	33,55
11218 A 5.1/6A B - C 5.1 1942 3	**Ammonium nitrate** technical granulated *Ammonium nitrate / Amonio nitrato* NH_4NO_3 $M = 80,04$ g/mol assay ..... 98% residue on ignition (as sulphates) ..... 0,2% iron (Fe) ..... 0,002% heavy metals (as Pb) ..... 0,005% chloride (Cl) 0,005%	PF. S. S. *2839*	5 kg 50 kg 5x	30,25 kg kg	25,10 1,70 1,60	23,60	22,70
32304 C 6.1 2449 3	**Ammonium oxalate** R. G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I *Ammonium oxalate / Amonio oxalato* $(NH_4)_2C_2O_4 \cdot H_2O$ $C_2H_8N_2O_4 \cdot H_2O$ $M = 142,11$ g/mol assay ..... 99,5—100,5% insoluble in water ..... max. 0,005% pH (2,5%, 20 °C) ..... 6—7 calcium (Ca) ..... max. 0,001% iron (Fe) ..... max. 0,0002% potassium (K) ..... max. 0,001% magnesium (Mg) ..... max. 0,001% sodium (Na) ..... max. 0,001% heavy metals (as Pb) ..... max. 0,0005% chloride (Cl) ..... max. 0,0005% nitrate (NO_3) ..... max. 0,002% sulphate (SO_4) ..... max. 0,002% R: 21/22 S: 2-24/25 disposal: 8	PF. PF. PF. FTP. *2915*	250 g 500 g 1 kg 50 kg	13,25 20,25 37,25 kg	11,25 17,20 31,65 19,65	10,60 16,20 29,80	9,95 15,60 28,70

Code-Number
A) RID/ADR
B) GGVE/GGVS
C) IMDG-CODE (GGVSee)

Type of package *B.T.N.*

Price per package DM | 1x | 6x (1 Box) | 24x (4 Boxes)

25403 **Ammonium oxalate** chem. pure cryst. Erg. B. 6
C 6.1 2449 3 *Ammonium oxalate / Amonio oxalato*

$(NH_4)_2C_2O_4 \cdot H_2O$
$C_2H_8N_2O_4 \cdot H_2O$ $M = 142{,}11$ g/mol

assay	99 %
residue on ignition	0,05 %
pH (2,5 %, 20 °C)	6 – 7
iron (Fe)	0,001 %
heavy metals (as Pb)	0,001 %
chloride (Cl)	0,001 %
sulphate (SO_4)	0,01 %

R: 21/22 S: 2-24/25
disposal: 8

PF.	500 g	14,50	12,35	11,60
PF.	1 kg	26,25	22,30	21,—
S.	50 kg	kg	8,50	
2915				

25405 **Ammonium oxalate** pure cryst.
C 6.1 2449 3 *Ammonium oxalate / Amonio oxalato*

$(NH_4)_2C_2O_4 \cdot H_2O$
$C_2H_8N_2O_4 \cdot H_2O$ $M = 142{,}11$ g/mol

assay	98 %
residue on ignition	0,1 %
pH (2,5 %, 20 °C)	6 – 7
iron (Fe)	0,005 %
heavy metals (as Pb)	0,002 %
chloride (Cl)	0,005 %
sulphate (SO_4)	0,02 %

R: 21/22 S: 2-24/25
disposal: 8

PF.	1 kg	24,—	20,40	19,20
S.	50 kg	price on request		
2915				

25406 **Ammonium oxalate** pure powder
C 6.1 2449 3 *Ammonium oxalate / Amonio oxalato*

$(NH_4)_2C_2O_4 \cdot H_2O$
$C_2H_8N_2O_4 \cdot H_2O$ $M = 142{,}11$ g/mol

assay	98 %
residue on ignition	0,1 %
pH (2,5 %, 20 °C)	6 – 7
iron (Fe)	0,005 %
heavy metals (as Pb)	0,002 %
chloride (Cl)	0,005 %
sulphate (SO_4)	0,02 %

R: 21/22 S: 2-24/25
disposal: 8

PF.	1 kg	25,50	21,70	20,40
S.	50 kg	price on request		
2915				

14301 **Ammonium paratungstate**
Ammonium paratungstate / Amonio paratungstato

$5(NH_4)_2O \cdot 12WO_3 \cdot 7H_2O$
$H_{40}N_{10}O_{41}W_{12} \cdot 7H_2O$ $M = 3168{,}66$ g/mol

PF.	100 g	34,—	28,90	27,20
2847				

11601 **Ammonium pentaborate** chem. pure
Ammonium pentaborate / Amonio pentaborato

$(NH_4)B_5O_8 \cdot 4H_2O$ $M = 272{,}14$ g/mol

assay	99 %
iron (Fe)	0,0005 %
heavy metals (as Pb)	0,0005 %
chloride (Cl)	0,0005 %

PF.	1 kg	23,50	20,—	18,80
PF.	2,5 kg	50,—	41,50	39,—
FTP.	100 kg	price on request		
2846				

31117 **Ammonium peroxodisulphate** R. G., Reag. ACS,
C 5.1 1444 3 Reag. Ph. Eur. I
Ammonium peroxodisulfate / Amonio peroxodisulfato

$(NH_4)_2S_2O_8$ $M = 228{,}20$ g/mol

assay	min. 98 %
insoluble in water	max. 0,005 %
sulphated ash	max. 0,05 %
iron (Fe)	max. 0,001 %
free acid (as H_2SO_4)	max. 0,2 %
manganese (Mn)	max. 0,00005 %
heavy metals (as Pb)	max. 0,001 %
chlorate and chloride (as Cl)	max. 0,001 %
chloride (Cl)	max. 0,0005 %
$KMnO_4$ reducing matters (as O)	max. 0,0004 %

PF.	500 g	12,—	10,20	9,60
PF.	1 kg	16,75	14,25	13,40
PF.	5 kg	65,—	53,95	50,70
2838				

refer explanations

de-Number RID/ADR GGVE/GGVS IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
1222 5.1 1444 3	**Ammonium peroxodisulphate** pure Erg. B. 6 *Ammonium peroxodisulfate / Amonio peroxodisulfato* $(NH_4)_2S_2O_8$ $M = 228{,}20$ g/mol assay ..... 98% residue on ignition ..... 0,1% iron (Fe) ..... 0,001% heavy metals (as Pb) ..... 0,003% chloride (Cl) 0,002%	PF. PF. PF. S. *2838*	500 g 1 kg 5 kg 50 kg	9,50 15,— 57,— kg	8,10 12,75 47,30 3,60	7,60 12,— 44,45	7,30 11,55 42,75
0419	**Ammonium perrhenate** *Ammonium perrhenate / Amonio perrenato* NH_4ReO_4 $M = 268{,}24$ g/mol assay 99%	FL. *2847*	1 g	89,50	76,10	71,60	67,15
	Ammonium persulphate see Ammonium peroxodisulphate						
04294	*tri*-**Ammonium phosphate-3-hydrate** pure *tri-Ammonium phosphate-3-hydrate / tri-Amonio fosfato-3-hidrato* $(NH_4)_3PO_4 \cdot 3H_2O$ $M = 203{,}13$ g/mol assay ..... 97% assay of NH_3 ..... 23,5—25,0% iron (Fe) ..... 0,005% heavy metals (as Pb) ..... 0,002% chloride (Cl) ..... 0,005% sulphate (SO_4) 0,01%	PF. PF. FPD. *2840*	500 g 1 kg 50 kg	17,— 30,75 price on request	14,45 26,15	13,60 24,60	13,10 23,70
04214	*tri*-**Ammonium phosphate-3-hydrate** technical *tri-Ammonium phosphate-3-hydrate / tri-Amonio fosfato-3-hidrato* $(NH_4)_3PO_4 \cdot 3H_2O$ $M = 203{,}13$ g/mol assay ..... 95% assay of NH_3 ..... 23—25% iron (Fe) ..... 0,01% heavy metals (as Pb) ..... 0,01% chloride (Cl) ..... 0,02% sulphate (SO_4) 0,05%	PF. FPD. *2840*	2,5 kg 50 kg	43,75 price on request	36,30	34,15	32,80
	Ammonium phosphate dibasic see *di*-Ammonium hydrogen phosphate						
	Ammonium phosphate monobasic see Ammonium dihydrogen phosphate						
	Ammonium phosphate tribasic see *tri*-Ammonium phosphate						
	Ammonium polysulfide solution see Ammonium sulphide solution						
	Ammonium purpurate see Murexide						
	Ammonium Reineckate see Reinecke salt						
	Ammonium rhodanide see Ammonium thiocyanate						
	Ammonium silicofluoride see Ammonium fluorosilicate						
	Ammonium sodium phosphate see Sodium ammonium hydrogen phosphate						
33022	**Ammonium sulphamidate** R. G. (for the determination of sulphonamides in the blood), Reag. ACS *Ammonium sulfamidate / Amonio sulfamidato* $NH_4SO_3NH_2$ $M = 114{,}12$ g/mol assay (ex N) ..... min. 99% melting range ..... 131—133 °C insoluble in water ..... max. 0,01% loss on drying (105 °C) ..... max. 1% sulphated ash ..... max. 0,02% pH (5%, 20 °C) ..... 5,0—6,5 iron (Fe) ..... max. 0,0005% heavy metals (as Pb) ..... max. 0,0005% chloride (Cl) ..... max. 0,002% nitrate (NO_3) ..... max. 0,002% sulphate (SO_4) ..... max. 0,02%	PF. PF. *2848*	50 g 250 g	8,25 33,—	7,— 28,05	6,60 26,40	6,20 24,75

CHROMASOLV® solvents for chromatography

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)	Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)
31119 **Ammonium sulphate** R. G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I *Ammonium sulfate / Amonio sulfato* $(NH_4)_2SO_4$ *M* = 132,14 g/mol assay ..... min. 99% insoluble in water ..... max. 0,005% loss on drying (105 °C) ..... max. 0,2% pH range (5%, 20 °C) ..... 5—6 arsenic (As) ..... max. 0,00002% cadmium (Cd) ..... max. 0,0001% calcium (Ca) ..... max. 0,001% iron (Fe) ..... max. 0,0005% potassium (K) ..... max. 0,002% copper (Cu) ..... max. 0,0002% magnesium (Mg) ..... max. 0,0002% sodium (Na) ..... max. 0,002% heavy metals (as Pb) ..... max. 0,0002% zinc (Zn) ..... max. 0,0001% chloride (Cl) ..... max. 0,0005% nitrate (NO_3) ..... max. 0,001% phosphate (PO_4) ..... max. 0,0005%	PF. PF. PF. FTP. *2838*	500 g 1 kg 5 kg 50 kg	10,50 17,— 66,50 kg	8,95 14,45 55,20 7,25	8,40 13,60 51,85
39284 **Ammonium sulphate** BIOSYNTH® *Ammonium sulfate / Amonio sulfato* $(NH_4)_2SO_4$ *M* = 132,14 g/mol	PF. PF. *2838*	1 kg 5 kg	13,— 45,75	11,05 37,95	10,40 35,70
11225 **Ammonium sulphate** chem. pure cryst. *Ammonium sulfate / Amonio sulfato* $(NH_4)_2SO_4$ *M* = 132,14 g/mol assay ..... 99% pH (5%, 20 °C) ..... 5—6 arsenic (As) ..... 0,0005% calcium (Ca) ..... 0,002% iron (Fe) ..... 0,001% potassium (K) ..... 0,002% magnesium (Mg) ..... 0,002% sodium (Na) ..... 0,002% heavy metals (as Pb) ..... 0,001% chloride (Cl) 0,002%	PF. PF. S. *2838*	1 kg 5 kg 50 kg	11,— 37,50 price on request	9,35 31,15	8,80 29,25
11224 **Ammonium sulphate** pure *Ammonium sulfate / Amonio sulfato* $(NH_4)_2SO_4$ *M* = 132,14 g/mol assay ..... 99,5% loss on drying (105 °C) ..... 0,2% residue on ignition ..... 0,2% iron (Fe) ..... 0,003% heavy metals (as Pb) ..... 0,002% chloride (Cl) ..... 0,004% nitrate (NO_3) 0,005%	S. *2838*	50 kg	price on request		
11226 **Ammonium sulphate** technical *Ammonium sulfate / Amonio sulfato* $(NH_4)_2SO_4$ *M* = 132,14 g/mol assay ..... 99% arsenic (As) ..... 0,001% iron (Fe) ..... 0,005% heavy metals (as Pb) ..... 0,003% chloride (Cl) 0,005%	PF. S. *2838*	5 kg 50 kg	32,75 price on request	27,20	25,55
11232 **Ammonium sulphide solution** abt. 44% pure *Ammonium sulfure en solution / Amonio sulfuro en solución* 1 L ≈ 1,00 kg R: 31-34 S: 26 disposal: 9	FL. FL. FPF. *2835*	1 L 2,5 L 60 kg	13,— 26,75 price on request	11,05 22,20	10,40 20,85

Ammonium sulphite monobasic solution see Ammonium hydrogen sulphite solution

refer explanations

ode-Number RID/ADR GGVE/GGVS IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
1228	**Ammonium sulphite solution** 34 % pure *Ammonium sulfite en solution / Amonio sulfito en solución* $(NH_4)_2SO_3$ *M* = 116,14 g/mol **1 L ≈ 1,18 kg** assay ..... 33–35 % residue on ignition ..... 0,1 % pH (20 °C) ..... 7,3–7,6 iron (Fe) ..... 0,0001 %	FL. FPF. *2837*	2,5 L 60 kg	23,25 price on request	19,30	18,15	17,45
	Ammonium sulphocyanide see Ammonium thiocyanate						
5504	**Ammonium tartrate** pure cryst. *Ammonium tartrate / Amonio tartrato* $(NH_4)_2C_4H_4O_6$ $C_4H_{12}N_2O_6$ *M* = 184,15 g/mol assay ..... 99 % pH (5 %, 20 °C) ..... 5,5–6,5 iron (Fe) ..... 0,002 % heavy metals (as Pb) ..... 0,002 % chloride (Cl) ..... 0,002 % sulphate (SO_4) ..... 0,02 %	PF. PF. S. *2916*	500 g 1 kg 50 kg	price on request price on request price on request			
	Ammonium tetrathiocyanodiamminochromate(III) see Reinecke salt						
31120	**Ammonium thiocyanate** R. G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I *Ammonium thiocyanate / Amonio tiocianato* NH_4SCN *M* = 76,12 g/mol assay ..... min. 99 % insoluble in water ..... max. 0,005 % residue on ignition (as sulphates) ..... max. 0,02 % pH range (5 %, 20 °C) ..... 4,5–6,0 iron (Fe) ..... max. 0,0001 % copper (Cu) ..... max. 0,0005 % heavy metals (as Pb) ..... max. 0,0005 % chloride (Cl) ..... max. 0,004 % sulphate (SO_4) ..... max. 0,005 % sulphide (S) ..... max. 0,001 % matters reducing iodine (as SO_2) ..... max. 0,005 % R: 20/21/22-32 S: 2-13 disposal: 8	WG. WG. WG. FTP. *2844*	250 g 500 g 1 kg 50 kg	15,50 23,75 41,75 kg	13,20 20,20 35,50 21,75	12,40 19,— 33,40	11,65 18,30 32,15
11235	**Ammonium thiocyanate** chem. pure cryst. Erg. B. 6 *Ammonium thiocyanate / Amonio tiocianato* NH_4SCN *M* = 76,12 g/mol assay ..... 99 % residue on ignition ..... 0,04 % iron (Fe) ..... 0,0005 % heavy metals (as Pb) ..... 0,0005 % chloride (Cl) ..... 0,005 % sulphate (SO_4) ..... 0,005 % R: 20/21/22-32 S: 2-13 disposal: 8	PF. PF. PF. S. *2844*	500 g 1 kg 5 kg 50 kg	14,50 26,25 98,50 price on request	12,35 22,30 81,75	11,60 21,— 76,85	11,15 20,20 73,90
11236	**Ammonium thiocyanate** technical cryst. *Ammonium thiocyanate / Amonio tiocianato* NH_4SCN *M* = 76,12 g/mol assay ..... 98 % R: 20/21/22-32 S: 2-13 disposal: 8	PF. S. *2844*	2,5 kg 50 kg	43,50 price on request	36,10	33,95	32,65
38020	**0,1 mol Ammonium thiocyanate** FIXANAL® 7,612 g NH_4SCN for 1 L 0,1 N solution *0,1 mol Ammonium thiocyanate / 0,1 mol Amonio tiocianato* ampoule	*3819*	1 pack	8,75	7,45	7,—	6,55

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11237	**Ammonium thiosulphate** pure cryst. *Ammonium thiosulfate / Amonio tiosulfato* $(NH_4)_2S_2O_3$ $M = 148{,}21$ g/mol assay ..... 99,5 % iron (Fe) ..... 0,005 % heavy metals (as Pb) ..... 0,002 % chloride (Cl) ..... 0,008 % sulphate and sulphite (as SO_4) ..... 1 %	PF. PF. S. *2837*	1 kg 5 kg 50 kg	16,— 59,50 price on request	13,60 49,40	12,80 46,40	12, 44,
	Ammonium tungstate see Ammonium paratungstate						
31153 A 6.1/74 C 6.1 ./. 2	**Ammonium** *meta*-**vanadate** R. G., Reag. Ph. Eur. I *Ammonium meta-vanadate / Amonio meta-vanadato* NH_4VO_3 $M = 116{,}98$ g/mol assay ..... min. 99 % insoluble in water ..... max. 0,005 % lead (Pb) ..... max. 0,002 % iron (Fe) ..... max. 0,001 % chloride (Cl) ..... max. 0,005 % phosphate (PO_4) ..... max. 0,005 % sulphate (SO_4) ..... max. 0,01 % R: 20 S: 22 disposal: 24	PF. PF. PF. FTP. *2847*	100 g 250 g 1 kg 50 kg	15,75 35,— 117,— price on request	13,40 29,75 99,45	12,60 28,— 93,60	11, 26, 90,
17840 A 6.1/74 C 6.1 ./. 2	**Ammonium** *meta*-**vanadate** PURANAL® *Ammonium meta-vanadate / Amonio meta-vanadato* NH_4VO_3 $M = 116{,}98$ g/mol analytical data on request R: 20 S: 22 disposal: 24	PF. FTP. *2847*	1 kg 50 kg	price on request price on request			
14201 A 6.1/74 C 6.1 ./. 2	**Ammonium** *meta*-**vanadate** chem. pure *Ammonium meta-vanadate / Amonio meta-vanadato* NH_4VO_3 $M = 116{,}98$ g/mol assay ..... 99 % lead (Pb) ..... 0,005 % iron (Fe) ..... 0,005 % chloride (Cl) ..... 0,005 % phosphate (PO_4) ..... 0,01 % sulphate (SO_4) ..... 0,01 % R: 20 S: 22 disposal: 24	PF. PF. PF. FTP. *2847*	100 g 250 g 1 kg 100 kg	9,75 21,75 71,50 price on request	8,30 18,50 60,80	7,80 17,40 57,20	7, 16, 55,
39285	**Amygdalin** BIOSYNTH® *Amygdaline / Amigdalina* $C_{20}H_{27}NO_{11}$ $M = 457{,}43$ g/mol	WG. *2941*	5 g	34,—	28,90	27,20	25,
27231 A 3/3 C 3.3 1104 2 +24 °C	*iso*-**Amyl acetate** chem. pure *iso-Amyle acétate / iso-Amilo acetato* $CH_3COOC_5H_{11}$ $C_7H_{14}O_2$ $M = 130{,}19$ g/mol **1 L ≈ 0,87 kg** boiling range ..... 138—142 °C density (D_4^{20}) ..... 0,871—0,874 refractive index (n_D^{20}) ..... 1,4000—1,4010 non-volatile matter ..... 0,005 % water (according to Karl Fischer) ..... 0,2 % free acid (as CH_3COOH) ..... 0,01 % R: 10 S: 23 disposal: 6	FL. FL. FL. EKL. EKL. *2914*	500 ml 1 L 2,5 L 25 kg 5x	16,75 30,— 60,— kg kg	14,25 25,50 49,80 11,05 10,75	13,40 24,— 46,80	12, 23, 45,
27230 A 3/3 C 3.3 1104 2 +24 °C	*iso*-**Amyl acetate** technical *iso-Amyle acétate / iso-Amilo acetato* $CH_3COOC_5H_{11}$ $C_7H_{14}O_2$ $M = 130{,}19$ g/mol **1 L ≈ 0,88 kg** boiling range ..... 115—140 °C R: 10 S: 23 disposal: 6	FL. EKL. EKL. *2914*	2,5 L 25 kg 5x	56,— kg kg	46,50 9,95 9,70	43,70	42,

refer explanations

Code-Number RID/ADR GGVE/GGVS IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
*206 3/3 3.3 1105 2 35 °C	**Amyl alcohol** R. G., Reag. Ph. Eur. I (Fermentation amyl alcohol) *Alcool amylique / Alcohol amílico* $C_5H_{12}O$ M = 88,15 g/mol **1 L ≈ 0,81 kg** assay ..... min. 98 % boiling range ..... 130–132 °C density (D_4^{20}) ..... 0,811–0814 refractive index (n_D^{20}) ..... 1,4070–1,4090 non-volatile matter ..... max. 0,002 % water (according to Karl Fischer) ..... max. 0,2 % free acid, ester (as CH_3COOH) ..... max. 0,02 % free alkali (as NaOH) ..... max. 0,004 % R: 10-20 S: 24/25 disposal: 6	FL. FL. FL. *2904*	500 ml 1 L 2,5 L	19,– 33,– 69,50	16,15 28,05 57,70	15,20 26,40 54,20	14,65 25,40 52,15
*2207 3/3 3.3 1105 2 35 °C	**Amyl alcohol** (Fermentation amyl alcohol) pure, boiling range 128-132 °C, for milk testing according to Gerber *Alcool amylique / Alcohol amílico* $C_5H_{12}O$ M = 88,15 g/mol **1 L ≈ 0,81 kg** R: 10-20 S: 24/25 disposal: 6	FL. *2904*	1 L	23,25	19,75	18,60	17,90
*0038 3/3 3.3 1105 2 35 °C	**Amyl alcohol** (Fermentation amyl alcohol) PROSYNTH® *Alcool amylique / Alcohol amílico* $C_5H_{12}O$ M = 88,15 g/mol **1 L ≈ 0,81 kg** assay (GC) ..... 98 % boiling range ..... 130–132 °C refractive index (n_D^{20}) ..... 1,408 R: 10-20 S: 24/25 disposal: 6	FL. *2904*	1 L	21,50	18,30	17,20	16,55
*4120 3/3 3.3 1105 2 -35 °C	**Amyl alcohol** (Fermentation amyl alcohol) pure *Alcool amylique / Alcohol amílico* $C_5H_{12}O$ M = 88,15 g/mol **1 L ≈ 0,81 kg** boiling range ..... 128–132 °C	FL. FL. EKL. EKL. *2904*	1 L 2,5 L 20 kg 5x	22,75 46,– kg kg	19,35 38,20 10,50 9,95	18,20 35,90	17,50 34,50
	prim.-n-**Amyl alcohol** see Pentanol-(1)						
	sec.-n-**Amyl alcohol** see Pentanol-(2)						
	tert.-**Amyl alcohol** see 2-Methylbutanol-(2)						
	iso-**Amyl alcohol** (so-called) see 3-Methyl-1-butanol						
	n-**Amylamine** see Pentylamine						
	Amylase see Diastase						
	n-**Amyl-bromide** see 1-Bromopentane						
	iso-**Amyl bromide** see 1-Bromo-3-methylbutane						
*20107	*sec.*-**Amyl-β-bromoallylbarbituric acid** *Acide sec.-amyl-β-bromoallylbarbiturique / Acido sec.-amil-β-bromalilbarbitúrico*	PF. FTP. *2925*	1 kg 25 kg	price on request price on request			
	Amylene hydrate see 2-Methylbutanol-(2)						
	Amylether see Di-*iso*-**amyl ether**						
	n-**Amyl methyl ketone** see Heptanone-(2)						
*27803 A 3/3 C 3.3 1112 2 +48 °C	*iso*-**Amyl nitrate** *iso-Amyle nitrate / iso-Amilo nitrato* $(CH_3)_2CHCH_2CH_2ONO_2$ $C_5H_{11}NO_3$ M = 133,15 g/mol **1 L ≈ 1,00 kg** R: 10-20/21/22 disposal: 16	FL. FL. *2921*	250 ml 1 L	75,– 250,–	63,75 212,50	60,– 200,–	56,25 192,50

FIXANAL® preparations for standard solutions

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96 (16 Bo
27804 A 3/1A C 3.1 1113 2 -18 °C	***iso*-Amyl nitrite** pure N. F. XIV, DAB 8 *iso-Amyle nitrite / iso-Amilo nitrito* $(CH_3)_2CHCH_2CH_2ONO$ $C_5H_{11}NO_2$ *M* = 117,15 g/mol **1 L ≈ 0,88 kg** assay (GC) ..... 97 % boiling range ..... 96,5 – 99 °C refractive index (n_D^{20}) ..... 1,387 – 1390 non-volatile matter ..... 0,01 % keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 11-23/24/25 S: 1-13-45 disposal: 20	FL. *2921*	**250 ml**	19,25	16,35	15,40	14
63950 A 3/3 C 3.3 1224 2 +54 °C	**Amyl *iso*-propyl ketone** PROSYNTH® *Amyle iso-propylcétone / Amilo iso-propilcetona* $CH_3(CH_2)_4COCH(CH_3)CH_3$ $C_9H_{18}O$ *M* = 142,24 g/mol **1 L ≈ 0,82 kg** assay (GC) ..... 97 % boiling range (at 27 mbar) ..... 70 – 72 °C refractive index (n_D^{20}) ..... 1,418 R: 10 disposal: 6	FL. *2913*	**10 g**	27,75	23,60	22,20	20,
	Amylum see Starch						
	Analysis of aqueous solutions see Test sets AQUANAL®						
	Aneurin hydrochloride see Thiaminium dichloride						
64515	**α-Angelicalactone** PROSYNTH® *α-Angélicalactone / α-Angélicalactona* $CH_3C{=}CHCH_2COO$ $C_5H_6O_2$ *M* = 98,10 g/mol assay (GC) ..... 98 % boiling range (at 16 mbar) ..... 56 – 58 °C refractive index (n_D^{20}) 1,448	FL. *2935*	**10 g**	26,—	22,10	20,80	19,5
	Anhydrone see Magnesium perchlorate (for drying)						
35845	**Anilazine** min. 99 % PESTANAL® (2,4-Dichloro-6-[2-chloroaniline]-1,3,5-triazine) $N{=}CClN{=}CClN{=}CNHC{=}CClCH{=}CHCH{=}CH$ $C_9H_5Cl_3N_4$ *M* = 275,52 g/mol	FL. *2935*	**1 g**	35,75	30,40	28,60	26,8
33029 A 6.1/11B C 6.1 1547 2	**Aniline** R. G., Reag. ACS, Reag. Ph. Eur. I *Aniline / Anilina* $C_6H_5NH_2$ C_6H_7N *M* = 93,13 g/mol **1 L ≈ 1,02 kg** assay (GC) ..... min. 99,5 % boiling range ..... 182 – 185 °C density (D_4^{20}) ..... 1,021 – 1,023 refractive index (n_D^{20}) ..... 1,5850 – 1,5860 water (according to Karl Fischer) ..... max. 0,1 % sulphated ash ..... max. 0,005 % chlorobenzene ..... max. 0,01 % nitrobenzene ..... max. 0,001 % R: 23/24/25-33 S: 28-36/37-44 disposal: 19	FL. FL. *2922*	**250 ml** **1 L**	17,75 43,50	15,10 37,—	14,20 34,80	13,3 33,5
15112 A 6.1/11B C 6.1 1547 2	**Aniline** chem. pure Erg. B. 6 *Aniline / Anilina* $C_6H_5NH_2$ C_6H_7N *M* = 93,13 g/mol **1 L ≈ 1,02 kg** assay (GC) ..... 99,5 % boiling range ..... 182 – 183 °C density (D_4^{20}) ..... 1,021 – 1,022 refractive index (n_D^{20}) ..... 1,5850 – 1,5860 sulphated ash ..... 0,01 % R: 23/24/25-33 S: 28-36/37-44 disposal: 19	FL. FL. EKS. *2922*	**1 L** **2,5 L** **40 kg**	20,25 41,75 kg	17,20 34,65 7,40	16,20 32,55	15,60 31,3

refer explanations

de-Number RID/ADR GGVE/GGVS MDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
2703	**Aniline blue** water-soluble for microscopy *Bleu d' aniline / Azul de anilina*	WG. WG. *3205*	25 g 100 g	10,25 16,50	8,70 14,05	8,20 13,20	7,70 12,40
5111 6.1/21 6.1 1548 3	**Aniline chloride** cryst. *Aniline chlorhydrate / Anilina cloruro* $C_6H_5NH_2 \cdot HCl$ C_6H_8ClN $M = 129{,}59$ g/mol assay ..... 99,5% melting range ..... 196—198 °C sulphated ash ..... 0,05% R: 23/24/25-33 S: 28-36/37-44 disposal: 7	PF. PF. *2922*	1 kg 2,5 kg	49,25 109,—	41,85 90,45	39,40 85,—	37,90 81,75
	Aniline red see Rubin S						
	Anilingreen see Malachite green						
	4-(p-Anilinphenylazo)-benzenesulphonic acid sodium salt see Tropaeolin OO						
	3-(4'-Anilinphenylazo)-benzene-1-sulphonic acid sodium salt see Metanil yellow						
	Anilin-m-sulphonic acid see Metanilic acid						
	p-Anilinsulphonic acid see Sulphanilic acid						
	Anilinviolet see Gentian violet						
18816 A 3/4 C 3.3 1993 2 +60 °C	**Animal (bone) oil** crude *Huile animale / Aceite animal* 1 L ≈ 1,01 kg	FL. EKL. *3819*	1 L 30 kg	17,50 price on request	14,90	14,—	13,50
	Anion exchangers see Ion exchangers						
62759	**2-Anisaldehyde** PROSYNTH® *Aldéhyde 2-anisique / Aldehido 2-anísico* $CH_3OC_6H_4CHO$ $C_8H_8O_2$ $M = 136{,}15$ g/mol assay (GC) ..... 99% melting range ..... 36—38 °C	WG. *2911*	50 g	14,25	12,10	11,40	10,70
62760	**3-Anisaldehyde** PROSYNTH® *Aldéhyde 3-anisique / Aldehido 3-anísico* $CH_3OC_6H_4CHO$ $C_8H_8O_2$ $M = 136{,}15$ g/mol 1 L ≈ 1,12 kg assay (GC) ..... 98% boiling range ..... 230—233 °C refractive index (n_D^{20}) 1,553	FL. *2911*	25 ml	47,50	40,40	38,—	35,65
15169	**4-Anisaldehyde** *Aldéhyde 4-anisique / Aldehido 4-anísico* $C_6H_4(CHO)(OCH_3)$ $C_8H_8O_2$ $M = 136{,}15$ g/mol 1 L ≈ 1,12 kg assay ..... 98% density (D_4^{20}) ..... 1,121—1,126 refractive index (n_D^{20}) ..... 1,5700—1,5730	FL. FL. *2911*	250 ml 1 L	26,25 89,50	22,30 76,10	21,— 71,60	19,70 68,90
62097 A 6.1/22 C 6.1 2810 1	**Anise alcohol** PROSYNTH® *Alcool anisique / Alcohol anísico* $CH_3OC_6H_4CH_2OH$ $C_8H_{10}O_2$ $M = 138{,}17$ g/mol 1 L ≈ 1,11 kg assay (GC) ..... 99% boiling range ..... 256—259 °C refractive index (n_D^{20}) 1,542	FL. *2908*	100 ml	27,75	23,60	22,20	20,80
	o-Anisic acid see 2-Methoxybenzoic acid						
	m-Anisic acid see 3-Methoxybenzoic acid						
	p-Anisic acid see 4-Methoxybenzoic acid						

HYDRANAL® a new Karl Fischer reagent

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	9 (16 Bo
62098 A 6.1/210 C 6.1 2431 3	**2-Anisidine** PROSYNTH® *2-Anisidine / 2-Anisidina* $CH_3OC_6H_4NH_2$ C_7H_9NO $M = 123{,}15$ g/mol **1 L ≈ 1,09 kg** assay (GC) ..... 98% boiling range ..... 222—225 °C refractive index (n_D^{20}) ..... 1,573 R: 26/27/28-33 S: 28-36/37-45 disposal: 19	FL. *2923*	1 L	43,25	36,75	34,60	33
62099 A 6.1/210 C 6.1 2810 3	**3-Anisidine** PROSYNTH® *3-Anisidine / 3-Anisidina* $CH_3OC_6H_4NH_2$ C_7H_9NO $M = 123{,}15$ g/mol **1 L ≈ 1,10 kg** assay (GC) ..... 97% boiling range ..... 247—250 °C refractive index (n_D^{20}) ..... 1,581 R: 26/27/28-33 S: 28-36/37-45 disposal: 19	FL. *2923*	500 ml	134,50	114,35	107,60	103,
62100 A 6.1/210 C 6.1 2811 3	**4-Anisidine** PROSYNTH® *4-Anisidine / 4-Anisidina* $CH_3OC_6H_4NH_2$ C_7H_9NO $M = 123{,}15$ g/mol assay (GC) ..... 98% melting range ..... 56—59 °C R: 26/27/28-33 S: 28-36/37-45 disposal: 19	WG. *2923*	250 g	18,—	15,30	14,40	13,
33031 A 3/3 C 3.3 2222 3 +41 °C	**Anisole** R. G. *Anisole / Anisol* $C_6H_5OCH_3$ C_7H_8O $M = 108{,}14$ g/mol **1 L ≈ 0,99 kg** assay (GC) ..... min. 99,5% boiling range ..... 152—154 °C density (D_4^{20}) ..... 0,998—0,999 refractive index (n_D^{20}) ..... 1,5160—1,5180 sulphated ash ..... max. 0,02% R: 10 disposal: 6	FL. FL. *2908*	500 ml 2,5 L	35,— 140,—	29,75 116,20	28,— 109,20	26, 105,
	4-Anisoyl chloride see 4-Methoxybenzoyl chloride						
	Anisyl alcohol see Anise alcohol						
	Anone see Cyclohexanone						
56019	**ANPD** for scintillation (2-[Naphthyl-(1)]-5-phenyl-1,3,4-oxadiazole) $C_{18}H_{12}N_2O$ $M = 272{,}31$ g/mol melting range ..... 119—121 °C	WG. *2935*	5 g	81,50	69,30	65,20	61,1
56000	**Anthracene** for scintillation *Anthracène / Antraceno* $C_6H_4CH=C_6H_4=CH$ $C_{14}H_{10}$ $M = 178{,}23$ g/mol assay (UV) ..... 99% melting range ..... 216—217 °C log $\varepsilon_{/358}$ (dioxan) 3,885	WG. *2901*	100 g	143,—	121,55	114,40	107,2
15104	**Anthracene** pure *Anthracène / Antraceno* $C_6H_4CH=C_6H_4=CH$ $C_{14}H_{10}$ $M = 178{,}23$ g/mol	PF. PF. *2901*	100 g 500 g	27,25 113,—	23,15 96,05	21,80 90,40	20,4 87,—

e-Number D/ADR GVE/GGVS DG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
285	**9-Anthracenecarbaldehyde** PROSYNTH® *Anthracènecarbaldéhyde-9 / 9-Antracenocarbaldehido* $C_{15}H_{10}O$ *M* = 206,24 g/mol assay (GC) ..... 97% melting range ..... 101–103 °C	PF. *2911*	25 g	95,50	81,20	76,40	71,65
	Anthraflavine see 2,6-Dihydroxyanthraquinone						
	9-Anthraldehyde see 9-Anthracenecarbaldehyde						
	Anthranilic acid see 2-Aminobenzoic acid						
	Anthranilic acid nitrile see 2-Aminobenzonitrile						
1101	**Anthraquinone** PROSYNTH® *Anthraquinone / Antraquinona* $C_6H_4COC_6H_4CO$ $C_{14}H_8O_2$ *M* = 208,22 g/mol assay (UV) ..... 99% melting range ..... 285–286 °C log ε_{251} (CH_3OH) 4,678	PF. *2913*	500 g	24,—	20,40	19,20	18,50
4510	**Anthraquinone-2-sulphonic acid sodium salt** PROSYNTH® *Acide antraquinone-2-sulfonique sel sodique / Acido antraquinona-2-sulfónico sal sódica* $C_6H_4COC_6H_3(SO_3Na)CO \cdot H_2O$ $C_{14}H_7NaO_5S \cdot H_2O$ *M* = 328,28 g/mol assay 90%	WG. *2913*	25 g	13,—	11,05	10,40	9,75
3032	**Anthrone** R. G. *Anthrone / Antrona* $C_6H_4COC_6H_4CH_2$ $C_{14}H_{10}O$ *M* = 194,23 g/mol	WG. WG. *2913*	5 g 25 g	11,— 41,50	9,35 35,30	8,80 33,20	8,25 31,15
	Antifebrine see Acetanilide						
	Antihalo dye-stuffs see Photographic dyes						
11171	**Antimony** R. G. *Antimoine / Antimonio* Sb *M* = 121,75 g/mol assay 99,995%	FL. WG. *8104*	10 g 100 g	price on request price on request			
11149	**Antimony** pure small lumps *Antimoine / Antimonio* Sb *M* = 121,75 g/mol	PF. PF. *8104*	250 g 1 kg	price on request price on request			
38630 A 6.1/75 C 6.1 1549 3	**0,100 g Antimony** FIXANAL® water-soluble standard for atom absorption *0,100 g Antimoine / 0,100 g Antimonio* ampoule R: 34-37 S: 26 disposal: 2	*3819*	1 pack	10,25	8,70	8,20	7,70
38815 A 8/5 C 8 1760 2	**10,00 g Antimony** FIXANAL® as Antimony(III) chloride *10,00 g Antimoine / 10,00 g Antimonio* ampoule	*3819*	1 pack	18,75	15,95	15,—	14,05
38551 A 6.1/75 C 6.1 1549 3	**1,00 g Antimony** FIXANAL® watersoluble standard for atom absorption *1,00 g Antimoine / 1,00 g Antimonio* ampoule R: 34-37 S.26 disposal: 2	*3819*	1 pack	10,25	8,70	8,20	7,70

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	9 (16 B
31121 A 8/12 C 8 1733 2	**Antimony(III) chloride** R.G., Reag. ACS, Reag. Ph. Eur. I *Antimoine(III) chlorure / Antimonio(III) cloruro* $SbCl_3$ *M* = 228,11 g/mol assay ..... min. 99% insoluble in chloroform ..... max. 0,01% insoluble in hydrochlorid acid ..... max. 0,005% arsenic (As) ..... max. 0,005% lead (Pb) ..... max. 0,003% calcium (Ca) ..... max. 0,005% iron (Fe) ..... max. 0,001% potassium (K) ..... max. 0,005% copper (Cu) ..... max. 0,0005% sodium (Na) ..... max. 0,005% sulphate (SO_4) ..... max. 0,005% R: 34-37 S: 26 disposal: 2	PF. FTP. *2830*	1 kg 50 kg	price on request price on request			
31175 A 8/12 C 8 1733 2	**Antimony(III) chloride** R. G., Reag. ACS, Reag. Ph. Eur. I *Antimoine(III) chlorure / Antimonio(III) cloruro* bottle of 100 g $SbCl_3$ *M* = 228,11 g/mol assay ..... min. 99% insoluble in chloroform ..... max. 0,02% insoluble in hydrochlorid acid ..... max. 0,005% arsenic (As) ..... max. 0,005% lead (Pb) ..... max. 0,003% calcium (Ca) ..... max. 0,005% iron (Fe) ..... max. 0,001% potassium (K) ..... max. 0,005% copper (Cu) ..... max. 0,0005% sodium (Na) ..... max. 0,005% sulphate (SO_4) ..... max. 0,005% R: 34-37 S: 26 disposal: 2	*2830*	1 pack	price on request			
31176 A 8/12 C 8 1733 2	**Antimony(III) chloride** R. G., Reag. ACS, Reag. Ph. Eur. I *Antimoine(III) chlorure / Antimonio(III) cloruro* bottle of 250 g $SbCl_3$ *M* = 228,11 g/mol assay ..... min. 99% insoluble in chloroform ..... max. 0,02% insoluble in hydrochloric acid ..... max. 0,005% arsenic (As) ..... max. 0,005% lead (Pb) ..... max. 0,003% calcium (Ca) ..... max. 0,005% iron (Fe) ..... max. 0,001% potassium (K) ..... max. 0,005% copper (Cu) ..... max. 0,0005% sodium (Na) ..... max. 0,005% sulphate (SO_4) ..... max. 0,005% R: 34-37 S: 26 disposal: 2	*2830*	1 pack	price on request			
31177 A 8/12 C 8 1733 2	**Antimony(III) chloride** R. G., Reag. ACS, Reag. Ph. Eur. I *Antimoine(III) chlorure / Antimonio(III) cloruro* bottle of 500 g $SbCl_3$ *M* = 228,11 g/mol assay ..... min. 99% insoluble in chloroform ..... max. 0,02% arsenic (As) ..... max. 0,005% lead (Pb) ..... max. 0,003% calcium (Ca) ..... max. 0,005% iron (Fe) ..... max. 0,001% potassium (K) ..... max. 0,005% copper (Cu) ..... max. 0,0005% sodium (Na) ..... max. 0,005% sulphate (SO_4) ..... max. 0,005% R: 34-37 S: 26 disposal: 2	*2830*	1 pack	price on request			

-Number /ADR /VE/GGVS OG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
78 2 733 2	**Antimony(III) chloride** R. G., Reag. ACS, Reag. Ph. Eur. I *Antimoine(III) chlorure / Antimonio(III) cloruro* bottle of 1 kg $SbCl_3$ $M = 228,11$ g/mol assay ..... min. 99% insoluble in chloroform ..... max. 0,02% insoluble in hydrochloric acid ..... max. 0,005% arsenic (As) ..... max. 0,005% lead (Pb) ..... max. 0,003% calcium (Ca) ..... max. 0,005% iron (Fe) ..... max. 0,001% potassium (K) ..... max. 0,005% copper (Cu) ..... max. 0,0005% sodium (Na) ..... max. 0,005% substances not precipitated by hydrogen sulphide (as sulphates) ..... max. 0,1% sulphate (SO_4) ..... max. 0,005% R: 34-37 S: 26 disposal: 2		*2830*	**1 pack**	price on request			
106 /12 1733 2	**Antimony(III) chloride** pure lumps *Antimoine(III) chlorure / Antimonio(III) cloruro* $SbCl_3$ $M = 228,11$ g/mol assay ..... 99,8% insoluble in hydrochloric acid ..... 0,01% arsenic (As) ..... 0,03% iron (Fe) ..... 0,001% R: 34-37 S: 26 disposal: 2		FTP. *2830*	**50 kg**	price on request		
140 3/12 3 1733 2	**Antimony(III) chloride** *Antimoine(III) chlorure / Antimonio(III) cloruro* bottle of 250 g $SbCl_3$ $M = 228,11$ g/mol assay ..... 99,8% insoluble in hydrochloric acid ..... 0,01% arsenic (As) ..... 0,03% iron (Fe) ..... 0,001% R: 34-37 S: 26 disposal: 2		*2830*	**1 pack**	price on request		
1141 8/12 8 1733 2	**Antimony(III) chloride** *Antimoine(III) chlorure / Antimonio(III) cloruro* bottle of 500 g $SbCl_3$ $M = 228,11$ g/mol assay ..... 99,8% insoluble in hydrochloric acid ..... 0,01% arsenic (As) ..... 0,03% iron (Fe) ..... 0,001% R: 34-37 S: 26 disposal: 2		*2830*	**1 pack**	price on request		
1142 8/12 8 1733 2	**Antimony(III) chloride** *Antimoine(III) chlorure / Antimonio(III) cloruro* bottle of 1 kg $SbCl_3$ $M = 228,11$ g/mol assay ..... 99,8% insoluble in hydrochloric acid ..... 0,01% arsenic (As) ..... 0,03% iron (Fe) ..... 0,001% R: 34-37 S: 26 disposal: 2		*2830*	**1 pack**	price on request		

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	9((16 B
11143 A 8/12 C 8 1733 2	**Antimony(III) chloride** *Antimoine(III) chlorure / Antimonio(III) cloruro* bottle of 5 kg $SbCl_3$ *M* = 228,11 g/mol assay ..... 99,8% insoluble in hydrochloric acid ..... 0,01% arsenic (As) ..... 0,03% iron (Fe) ..... 0,001% R: 34-37 S: 26 disposal: 2	*2830*	1 pack	price on request			
11108 A 8/5 C 8 1733 2	**Antimony(III) chloride solution** abt. 40%, technical *Antimoine(III) chlorure en solution / Antimonio(III) cloruro en solución* $SbCl_3$ *M* = 228,11 g/mol **1 L ≈ 1,45 kg** R: 34-37 S: 26 disposal: 2	FL. STP. *2830*	1 L 40 kg	price on request price on request			
11152 A 8/11A C 8 1730 2	**Antimony(V) chloride** *Antimoine(V) chlorure / Antimonio(V) cloruro* bottle of 100 ml $SbCl_5$ *M* = 299,02 g/mol **1 L ≈ 2,36 kg** assay ..... 99,5% melting point ..... + 3 °C iron (Fe) ..... 0,003% R: 34-37 S: 26 disposal: 11	*2830*	1 pack	price on request			
11153 A 8/11A C 8 1730 2	**Antimony(V) chloride** *Antimoine(V) chlorure / Antimonio(V) cloruro* bottle of 500 ml $SbCl_5$ *M* = 299,02 g/mol **1 L ≈ 2,36 kg** assay ..... 99,5% melting point ..... + 3 °C iron (Fe) ..... 0,003% R: 34-37 S: 26 disposal: 11	*2830*	1 pack	price on request			
11111 A 8/11A C 8 1730 2	**Antimony(V) chloride** *Antimoine(V) chlorure / Antimonio(V) cloruro* $SbCl_5$ *M* = 299,02 g/mol **1 L ≈ 2,36 kg** assay ..... 99,5% melting point ..... + 3 °C iron (Fe) ..... 0,003% R: 34-37 S: 26 disposal: 11	TS. *2830*	50 kg	price on request			
01113 A 6.1/75 C 6.1 1549 3	**Antimony(III) fluoride** *Antimoine(III) fluorure / Antimonio(III) fluoruro* SbF_3 *M* = 178,75 g/mol assay ..... 99% iron (Fe) ..... 0,01% sulphate (SO_4) ..... 0,2% R: 23/24/25 S: 7-26-44 disposal: 27	PF. PF. FTP. *2829*	250 g 1 kg 50 kg	price on request price on request price on request			
01259 A 8/6D C 8 1790 2	**Antimony(III) fluoride solution** 50% *Antimoine(III) fluorure en solution / Antimonio(III) fluoruro en solución* SbF_3 *M* = 178,75 g/mol **1 L ≈ 1,68 kg** assay (SbF_3) ..... 50% free hydrofluoric acid (HF) ..... 2–5% iron (Fe) ..... 0,005% R: 23/24/25 S: 7-26-44 disposal: 27	STP. *2829*	45 kg	price on request			

ode-Number RID/ADR GGVE/GGVS IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
1122 6.1/75 AG521	**Antimony(III) oxide** R. G. *Antimoine(III) oxyde / Antimonio(III) óxido* Sb_2O_3 *M* = 291,50 g/mol assay ..... min. 99% insoluble in hydrochloric acid ..... max. 0,01% arsenic (As) ..... max. 0,002% lead (Pb) ..... max. 0,002% calcium (Ca) ..... max. 0,002% iron (Fe) ..... max. 0,002% copper (Cu) ..... max. 0,0002% sodium (Na) ..... max. 0,005% zinc (Zn) ..... max. 0,001% chloride (Cl) ..... max. 0,02% sulphate (SO_4) ..... max. 0,005%	PF. PF. PF. RRB. *2828*	100 g 500 g 1 kg 50 kg	price on request price on request price on request price on request			
11115 A 6.1/75 B AG521	**Antimony(III) oxide** chem. pure *Antimoine(III) oxyde / Antimonio(III) óxido* Sb_2O_3 *M* = 291,50 g/mol assay ..... 99,5% arsenic (As) ..... 0,005% lead (Pb) ..... 0,01% calcium (Ca) ..... 0,01% iron (Fe) ..... 0,002% copper (Cu) ..... 0,0003% sodium (Na) ..... 0,01% zinc (Zn) ..... 0,002% chloride (Cl) ..... 0,05% sulphate (SO_4) 0,01%	PF. PF. RRB. *2828*	500 g 1 kg 50 kg	price on request price on request price on request			
11123 A 6.1/75 B AG521	**Antimony(III) oxide** special quality *Antimoine(III) oxyde / Antimonio(III) óxido* Sb_2O_3 *M* = 291,50 g/mol assay ..... 99% arsenic (As) ..... 0,05% lead (Pb) ..... 0,01% iron (Fe) ..... 0,002% copper (Cu) ..... 0,0005% zinc (Zn) ..... 0,002% chloride (Cl) ..... 0,05% sulphate (SO_4) 0,01%	PF. FTP. *2828*	1 kg 50 kg	price on request price on request			
11117 A 6.1/75 B AG521	**Antimony(III) oxide** 99%, technical *Antimoine(III) oxyde / Antimonio(III) óxido* Sb_2O_3 *M* = 291,50 g/mol assay ..... 99,5% arsenic (As) ..... 0,1% lead (Pb) ..... 0,1% iron (Fe) 0,1%	PF. PF. S. *2828*	1 kg 5 kg 50 kg	price on request price on request price on request			
11174	**Antimony(IV) oxide** 98% Sb_2O_4 *Antimoine(IV) oxyde / Antimonio(IV) óxido* Sb_2O_4 *M* = 307,50 g/mol	PF. *2828*	1 kg	price on request			
11175	**Antimony(V) oxide** 98% Sb_2O_5 *Antimoine(V) oxyde / Antimonio(V) óxido* Sb_2O_5 *M* = 323,50 g/mol	PF. *2828*	1 kg	price on request			
	Antimony pentachloride see Antimony(V) chloride						
	Antimony pentasulphide see Antimony(V) sulphide						
	Antimony potassium tartrate see Potassium antimony tartrate						
11121	**Antimony(III) sulphide** black natural powder *Antimoine(III) sulfure / Antimonio(III) sulfuro* Sb_2S_3 *M* = 339,70 g/mol assay of Sb ..... 62—65% insoluble in hydrochloric acid ..... 8—10%	PF. PF. S. *2601*	250 g 1 kg 50 kg	price on request price on request price on request			
	Antimony trichloride see Antimony(III) chloride						
	Antimony trifluoride see Antimony(III) fluoride						
	Antimony trioxide see Antimony(III) oxide						

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	9 (16 B
	Antimony trisulphide see Antimony(III) sulphide						
	Antipyreticum "Riedel" see Phenazone						
	Antipyreticum salicylicum "Riedel" see Phenazone salicylate						
	Antipyrin see 1-Phenyl-2,3-dimethylpyrazolone-(5)						
39610	**Apiezon® grease M** for gas chromatography *Apiezon® graisse M / Apiezon® grasa M* working temperature ..... 75 to 260 °C	WG. *3819*	50 g	106,—	90,10	84,80	79
39609	**Apiezon® grease L** for gas chromatography *Apiezon® graisse L / Apiezon® grasa L* working temperature ..... 50 to 260 °C	WG. *3819*	50 g	174,—	147,90	139,20	130
34717	**AQUANAL® GH** reagent for the determination of total water hardness	PF. *3819*	100 ml	21,—	17,85	16,80	15
34713	**AQUANAL® RH** reagent for the determination of residual water hardness	PF. *3819*	100 ml	21,—	17,85	16,80	15
34718	**AQUANAL® SV** reagent for the determination of acid consumption in water	PF. *3819*	100 ml	21,—	17,85	16,80	15
34714	**AQUANAL® Mixed indicator RH** package of 15 g	*3819*	1 pack	21,—	17,85	16,80	15
	AQUANAL® We supply under the registered trade mark AQUANAL® test sets for quantitative analysis of aqueus solutions (e.g. waste water) on metals and non-metallic substances within the range of o.5 to 10 mg/litre (ppm) and 5 to 100 mg/litre (ppm) see Test sets AQUANAL®						
39125	**D(-)-Arabinose** BIOSYNTH® *D(-)-Arabinose / D(-)-Arabinosa* $\underline{CH_2(CHOH)_4O}$ $C_5H_{10}O_5$ $M = 150{,}13$ g/mol melting range ..... 157—159 °C specific rotation ($[\alpha]_D^{20}$; c = 10 in H_2O) ..... −104° ±1°	WG. *2943*	10 g	22,—	18,70	17,60	16,5
39236	**DL-Arabinose** BIOSYNTH® *DL-Arabinose / DL-Arabinosa* $\underline{CH_2(CHOH)_4O}$ $C_5H_{10}O_5$ $M = 150{,}13$ g/mol	WG. *2943*	10 g	23,25	19,75	18,60	17,4
39126	**L(+)-Arabinose** BIOSYNTH® *L(+)-Arabinose / L(+)-Arabinosa* $\underline{CH_2(CHOH)_4O}$ $C_5H_{10}O_5$ $M = 150{,}13$ g/mol melting range ..... 157—159 °C specific rotation ($[\alpha]_D^{20}$; c = 10 in H_2O) ..... +104° ±1°	WG. *2943*	25 g	25,75	21,90	20,60	19,3
39123	**D(+)-Arabitol** BIOSYNTH® *D(+)-Arabitol / D(+)-Arabita* $HOCH_2(CHOH)_3CH_2OH$ $C_5H_{12}O_5$ $M = 152{,}15$ g/mol melting range ..... 102—103 °C specific rotation ($[\alpha]_D^{20}$; c = 9 in saturated borax-solution) ..... +7° ±0,5°	FL. *2904*	1 g	18,50	15,75	14,80	13,9
39124	**L(-)-Arabitol** BIOSYNTH® *L(-)-Arabitol / L(-)-Arabita* $HOCH_2(CHOH)_3CH_2OH$ $C_5H_{12}O_5$ $M = 152{,}15$ g/mol melting range ..... 98—100 °C	FL. *2904*	1 g	25,50	21,70	20,40	19,1

refer explanations

de-Number RID/ADR GGVE/GGVS MDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
9345	**D(+)-Arabonic acid potassium salt** BIOSYNTH® *Acide D(+)-arabonique, sel potassique / Acido D(+)-arabónico, sal potásica* $HOCH_2(CHOH)_3COOK$ $C_5H_9KO_6$ $M = 204{,}22$ g/mol	WG. *2916*	10 g	70,50	59,95	56,40	52,90
9346	**DL-Arginine** BIOSYNTH® *DL-Arginine / DL-Arginina* $HN=C(NH_2)NH(CH_2)_3CH(NH_2)COOH$ $C_6H_{14}N_4O_2$ $M = 174{,}20$ g/mol	FL. *2923*	1 g	16,—	13,60	12,80	12,—
9024	**L(+)-Arginine** BIOSYNTH® *L(+)-Arginine / L(+)-Arginina* $NH=C(NH_2)NH(CH_2)_3CH(NH_2)COOH$ $C_6H_{14}N_4O_2$ $M = 174{,}20$ g/mol assay ..... 99% specific rotation ($[\alpha]_D^{20}$; c = 8 in HCl 6 mol/l) . $+27° \pm 1°$	PF. *2923*	100 g	33,25	28,25	26,60	24,95
9005	**D(–)-Arginine monohydrochloride** BIOSYNTH® *D(–)-Arginine monochlorhydrate / D(–)-Arginina monoclorhidrato* $HN=C(NH_2)NH(CH_2)_3CH(NH_2)COOH \cdot HCl$ $C_6H_{15}ClN_4O_2$ $M = 210{,}66$ g/mol assay ..... 99% specific rotation ($[\alpha]_D^{20}$; c = 2 in H_2O) ..... $-12{,}1° \pm 1°$	FL. *2923*	1 g	124,—	105,40	99,20	93,—
39174	**DL-Arginine monohydrochloride** BIOSYNTH® *DL-Arginine monochlorhydrate / DL-Arginina monoclorhidrato* $HN=C(NH_2)NH(CH_2)_3CH(NH_2)COOH \cdot HCl$ $C_6H_{15}ClN_4O_2$ $M = 210{,}66$ g/mol assay (ex N) ..... 95% melting range ..... 209—210 °C	WG. *2926*	5 g	47,—	39,95	37,60	35,25
39006	**L(+)-Arginine monohydrochloride** BIOSYNTH® *L(+)-Arginine monochlorhydrate / L(+)-Arginina monoclorhidrato* $HN=C(NH_2)NH(CH_2)_3CH(NH_2)COOH \cdot HCl$ $C_6H_{15}ClN_4O_2$ $M = 210{,}66$ g/mol assay (ex N) ..... 99% specific rotation ($[\alpha]_D^{20}$; c = 8 in HCl 6 mol/l) . $+22° \pm 1°$	PF. *2923*	100 g	29,—	24,65	23,20	21,75
63244 A 6.1/52 C 6.1 1557 3	**2-Arsanilic acid** PROSYNTH® *Acide 2-arsanilique / Acido 2-arsanílico* $NH_2C_6H_4AsO_3H_2$ $C_6H_8AsNO_3$ $M = 217{,}06$ g/mol assay ..... 98% melting range ..... 149—152 °C R: 23/25 S: 1/2-20/21-28-44 disposal: 10	WG. *2934*	10 g	30,75	26,15	24,60	23,05
63245 A 6.1/52 C 6.1 2811 3	**4-Arsanilic acid** PROSYNTH® *Acide 4-arsanilique / Acido 4-arsanílico* $NH_2C_6H_4AsO_3H_2$ $C_6H_8AsNO_3$ $M = 217{,}06$ g/mol assay ..... 98% R: 23/25 S: 1/2-20/21-28-44 disposal: 10	WG. *2934*	100 g	12,—	10,20	9,60	9,—
33085 A 6.1/52A C 6.1 1557 3	**Arsenazo I** R. G. *Arsénazo I / Arsenazo I* $NaO(OH)OAsC_6H_4N=NC_{10}H_3(OH)_2(SO_3Na)_2 \cdot 3H_2O$ $C_{16}H_{10}AsN_2Na_3O_{11}S_2 \cdot 3H_2O$ $M = 668{,}33$ g/mol R: 23/25 S: 1/2-20/21-28-44 disposal: 10	WG. *2934*	10 g	27,—	22,95	21,60	20,25

PANPEHA® universal indicator paper in strips

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	
33086 A 6.1/52A C 6.1 1557 3	**Arsenazo III** R. G. *Arsénazo III / Arsenazo III* $(HO)_2OAsC_6H_4N=NC_{10}H_2(OH)_2(SO_3H)_2N=NC_6H_4AsO(OH)_2$ $C_{22}H_{18}As_2N_4O_{14}S_2$ *M* = 776,38 g/mol R: 23/25 S: 1/2-20/21-28-44 disposal: 10	WG. *2934*	5 g	38,25	32,50	30,60	
31140 A 6.1/52 C 6.1 1558 2	**Arsenic** R.G. *Arsenic / Arsénico* As *M* = 74,92 g/mol R: 23/25 S:.1/2-20/21-28-44 disposal: 10	A. *2804*	25 g	89,50	76,10	71,60	
38615 A 6.1/52 C 6.1 1556 2	**0,100 g Arsenic** FIXANAL® water-soluble standard for atom absorption *0,100 g Arsenic / 0,100 g Arsénico* ampoule R: 25-36/38 S: 25-44 disposal: 10	*3819*	1 pack	10,25	8,70	8,20	
38820 A 6.1/52A C 6.1 1556 2	**10,00 g Arsenic** FIXANAL® as Sodium arsenite *10,00 g Arsenic / 10,00 g Arsénico* ampoule R: 25-36/38 S: 25-44 disposal: 10	*3819*	1 pack	18,75	15,95	15,—	1
38552 A 6.1/52 C 6.1 1556 2	**1,00 g Arsenic** FIXANAL® watersoluble standard for atom absorption *1,00 g Arsenic / 1,00 g Arsénico* ampoule R: 25-36/38 S: 25-44 disposal: 10	*3819*	1 pack	10,25	8,70	8,20	
11305 A 6.1/52A C 6.1 1553 1	*ortho*-**Arsenic acid** technical *Acide ortho-arsénique / Acido orto-arsénico* H_3AsO_4 *M* = 141,94 g/mol **1 L ≈ 2,05 kg** assay 80,5%	FL. *2813*	† 1 L	27,75	24,70	23,30	2
11309 A 6.1/52 B 6.1/52C C 6.1 1560 1	**Arsenic(III) chloride** chem. pure *Arsenic(III) chlorure / Arsénico(III) cloruro* $AsCl_3$ *M* = 181,28 g/mol **1 L ≈ 2,15 kg** assay ..... 99,5% boiling range ..... 129–131 °C R: 23/25 S: 1/2-20/21-28-44 disposal: 10	FL. *2814*	500 ml	178,—	151,30	142,40	137
31123 A 6.1/52A C 6.1 1561 2	**Arsenic(III) oxide** R. G., Reag. ACS, Reag. Ph. Eur. I *Arsenic(III) oxyde / Arsénico(III) óxido* As_2O_3 *M* = 197,84 g/mol assay ..... min. 99,5% insoluble in hydrochloric acid ..... max. 0,01% non-volatile matter ..... max. 0,02% antimony (Sb) ..... max. 0,05% lead (Pb) ..... max. 0,002% iron (Fe) ..... max. 0,0005% copper (Cu) ..... max. 0,0005% selenium (Se) ..... max. 0,0005% silver (Ag) ..... max. 0,001% chloride (Cl) ..... max. 0,005% sulphide (S) ..... max. 0,001% R: 23/25-39 S: 1/2-20/21-28-45 disposal: 10	PF. PF. *2813*	250 g 1 kg	17,50 51,50	14,90 43,80	14,— 41,20	13 39

Code-Number RID/ADR GGVE/GGVS IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
*311 6.1/52A 6.1 1561 2	**Arsenic(III) oxide** pure powder *Arsenic(III) oxyde / Arsénico(III) óxido* As_2O_3 *M* = 197,84 g/mol assay ..... 99,9% residue on ignition ..... 0,05% alkalinely or acidly reacting impurities ..... passes test sulphide (S) ..... passes test R: 23/25-39 S: 1/2-20/21-28-45 disposal: 10	PF. PF. *2813*	500 g 1 kg	20,50 37,50	17,45 31,90	16,40 30,—	15,80 28,90
	Arsenic(III) oxide FIXANAL® see Sodium *meta*-arsenite FIXANAL®						
	Arsenic(V) oxide pentahydrate see Arsenic(V) oxide hydrate						
*3021 6.1/52A 6.1 1556 3	**0,500 g Arsenic(III) oxide + 1,5 g Sodium hydrogen carbonate** FIXANAL® in solution for the determination of manganese in iron according to H. P. Smith, for iron-works laboratories *0,500 g Arsenic(III) oxyde + 1,5 g Sodium hydrogénocarbonate / 0,500 g Arsénico(III) óxido + 1,5 g Sodio hidrógeno-carbonato* bottle R: 25-36/38 S: 25-44 disposal: 10	*3819*	1 pack	18,75	15,95	15,—	14,05
	Arsenic pentoxide hydrate see Arsenic(V) oxide hydrate						
	Arsenic trioxide see Arsenic(III) oxide						
*8605 9 2590 2	**Asbestos** acid washed *Amiante / Amianto* soluble in water ..... 0,5% soluble in hydrochloric acid (5%) (as sulphates) ..... 1% loss on drying (105 °C) ..... 0,1% loss on ignition 2%	BL. *2524*	500 g	117,—	99,45	93,60	90,10
*18603 C 9 2590 2	**Asbestos** long fibres *Amiante / Amianto*	BL. *2524*	500 g	52,—	44,20	41,60	40,05
*18604 C 9 2590 2	**Asbestos** powder *Amiante / Amianto*	FT. *2524*	5 kg	27,75	23,05	21,65	20,80
*33034	L(+)-**Ascorbic acid** R. G., Reag. ISO, Reag. Ph. Eur. I *Acide-L(+)-ascorbique / Acido-L(+)-ascórbico* $HOCH_2CH(OH)\underline{CHC(OH)=C(OH)CO}O$ $C_6H_8O_6$ *M* = 176,13 g/mol assay (oxydimetric) ..... min. 99,7% melting range ..... 190—192 °C (disint.) specific rotation ($[\alpha]_D^{20}$; c = 10 in H_2O) +20,5° to +21,5° loss on drying (105 °C) ..... max. 0,1% sulphated ash ..... max. 0,05% pH (5%, 20 °C) ..... 2,2—2,5 iron (Fe) ..... max. 0,0002% heavy metals (as Pb) ..... max. 0,001% chloride (Cl) ..... max. 0,005% sulphate (SO_4) ..... max. 0,002%	WG. PF. PF. *2938*	25 g 100 g 1 kg	9,75 19,— 131,—	8,30 16,15 111,35	7,80 15,20 104,80	7,30 14,25 100,85
	Ash mercury see Mercury oxide						
*39007	D-**Asparagine monohydrate** BIOSYNTH® *D-Asparagine monohydraté / D-Asparagina monohidrato* $NH_2COCH_2CH(NH_2)COOH[\cdot]H_2O$ $C_4H_8N_2O_3 \cdot H_2O$ *M* = 150,13 g/mol assay (as N) 99%	WG. *2925*	10 g	31,75	27,—	25,40	23,80

PEHANAL® universal indicator paper in rolls

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	(1
15155	**L-Asparagine monohydrate** *L-Asparagine monohydraté / L-Asparagina monohidrato* $HOOCCH(NH_2)CH_2CONH_2 \cdot H_2O$ $C_4H_8N_2O_3 \cdot H_2O$ $M = 150{,}13$ g/mol assay (water-free substance) ..... 98 % specific rotation $[\alpha]_D^{25}$; c = 5 in HCl 10 %) ..... +33° to +35° sulphated ash ..... 0,2 % ammonium (NH_4) ..... 0,005 % heavy metals (as Pb) ..... 0,002 % chloride (Cl) ..... 0,02 %	PF. PF. 2925	100 g 1 kg	29,25 222,—	24,85 188,70	23,40 177,60	2 17
39189	**DL-Aspartic acid** BIOSYNTH® *Acide DL-aspartique / Acido DL-aspártico* $HOOCCH_2CH(NH_2)COOH$ $C_4H_7NO_4$ $M = 133{,}10$ g/mol assay (ex N) ..... 98 %	PF. 2923	100 g	27,75	23,60	22,20	2
39288	**L-Aspartic acid** BIOSYNTH® *Acide L-aspartique / Acido L-aspártico* $HOOCCH(NH_2)CH_2COOH$ $C_4H_7NO_4$ $M = 133{,}10$ g/mol	PF. 2923	50 g	13,25	11,25	10,60	
27608	**L-Aspartic acid** *Acide L-aspartique / Acido L-aspártico* $HOOCCH(NH_2)CH_2COOH$ $C_4H_7NO_4$ $M = 133{,}10$ g/mol assay ..... 99 % melting point ..... ca. 320 °C (disint.) specific rotation ($[\alpha]_D^{20}$; c = 5 in 1 N HCl) ..... + 23° sulphated ash ..... 0,1 % water (according to Karl Fischer) ..... 1 % ammonium (NH_4) ..... 0,05 % iron (Fe) ..... 0,001 % heavy metals (as Pb) ..... 0,001 % chloride (Cl) ..... 0,005 % sulphate (SO_4) ..... 0,01 %	PF. 2923	100 g	11,50	9,80	9,20	
39289	**L-Aspartic acid-β-benzyl ester** BIOSYNTH® *β-Benzyle-L-aspartate / β-Bencilo L-aspartato* $HOOCCH(NH_2)CH_2COOCH_2C_6H_5$ $C_{11}H_{13}NO_4$ $M = 223{,}23$ g/mol	WG. 2923	5 g	162,—	137,70	129,60	12
28604	**Astra-diamond green GX** *Vert diamant astra GX / Verde astradiamante GX*	BL.	1 kg	119,—	101,15	95,20	9
	Atom absorption see synopsis in the appendix FIXANAL® for atomic absorption	BL. 3205	5 kg	506,—	420,—	394,70	379
	ATP see Adenosine-5'-triphosphoric acid						
35702	**Atrazin** min. 99 % PESTANAL® (2-Ethylamino-4-chloro-6-isopropylamino-1,3,5-triazine) $ClC{=}NC[NHCH(CH_3)_2]{=}NC(NHC_2H_5){=}N$ $C_8H_{14}ClN_5$ $M = 215{,}69$ g/mol	FL. 2935	1 g	35,50	30,20	28,40	2
63722	**DL-Atrolactinic acid hemihydrate** PROSYNTH® *Acide DL-atrolactinique hemihydraté / Acido DL-atrolactínico hemihidrato* $C_6H_5C(CH_3)(OH)COOH \cdot 0{,}5H_2O$ $C_9H_{10}O_3 \cdot 0{,}5H_2O$ $M = 175{,}18$ g/mol assay (alkalimetric) ..... 98 % melting range ..... 87—89 °C	WG. 2913	5 g	38,75	32,95	31,—	29
36001	**Aufrecht's reagent** for quantitative albumen determination *Réactif d'Aufrecht / Reactivo de Aufrecht* 1 L ≈ 1,01 kg	FL. 3819	250 ml	13,25	11,25	10,60	
28003	**Auramine O** (C. I. No. 41000, S. No. 752) *Auramine O / Auramina O* $[(CH_3)_2NC_6H_4]_2C{=}NH \cdot HCl \cdot H_2O$ $C_{17}H_{22}ClN_3 \cdot H_2O$ $M = 321{,}85$ g/mol	WG. 3205	100 g	10,25	8,70	8,20	

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	Auric chloride see Chloroauric acid						
35	**Aurin tricarboxylic acid ammonium salt** R. G. *Acide aurinetricarboxylique sel ammoniacal / Acido aurintricarboxílico sal amoniacal* $(NH_4OCOC_6H_3OH)_2C=C_6H_3(O)COONH_4$ $C_{22}H_{23}N_3O_9$ $M=473{,}44$ g/mol insoluble in water ..... passes test sulphated ash ..... max. 0,2% suitability for determination of aluminium ..... passes test	WG. 2916	25 g	19,50	16,60	15,60	14,65
	Avicel® see Cellulose D, microcrystalline						
	Azacycloheptane see Hexamethylenimine						
	1-Azacyclopentanone-(2) see ε-Caprolactam						
290	**5-Azacytidine** BIOSYNTH® *5-Azacytidine / 5-Azacitidina* package with 10 mg $C_8H_{12}N_4O_5$ $M=244{,}21$ g/mol	2935	1 pack	16,50	14,05	13,20	12,40
291	**8-Azaguanine** BIOSYNTH® *8-Azaguanine / 8-Azaguanina* $C_4H_4N_6O$ $M=152{,}12$ g/mol	FL. 2935	1 g	15,75	13,40	12,60	11,80
292	**6-Azauracil** BIOSYNTH® *6-Azauracile / 6-Azauracilo* $N=C(OH)N=C(OH)CH=N$ $C_3H_3N_3O_2$ $M=113{,}08$ g/mol	WG. 2935	5 g	62,50	53,15	50,—	46,90
104	**Azelainic acid** PROSYNTH® *Acide azélaïque / Acido azelaínico* $HOOC(CH_2)_7COOH$ $C_9H_{16}O_4$ $M=188{,}22$ g/mol assay (GC) ..... 90% melting range ..... 100-103 °C	WG. 2915	500 g	31,50	26,80	25,20	24,25
500 .1/21 .1 2810 2	**Azelanitrile** PROSYNTH® *Acide azélaïnenitrile / Acido azelaínico nitrilo* $NC(CH_2)_7CN$ $C_9H_{14}N_2$ $M=150{,}22$ g/mol **1 L ≈ 0,92 kg** assay (GC) ..... 90% boiling range (at 13 mbar) ..... 160—163 °C refractive index (n_D^{20}) 1,445	FL. 2927	10 ml	13,—	11,05	10,40	9,75
820 3.1/81A 3.1 1615 3	**Azinphos-ethyl** min. 99% PESTANAL® (0,0-Diethyl-S-[4-oxo-1,2,3-benzotriazin-3(4H)-ylmethyl]-phosphorodithioate) $C_{12}H_{16}N_3O_3PS_2$ $M=345{,}38$ g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 26/27/28 S: 1-13-45 disposal: 7	FL. 2935	1 g	28,25	24,—	22,60	21,20
821 3.1/81A 3.1 1615 3	**Azinphos-methyl** min. 99% PESTANAL® (0,0-Dimethyl-S-[4-oxo-1,2,3-benzotriazin-3(4H)-ylmethyl]-phosphorodithioate) $C_{10}H_{12}N_3O_3PS_2$ $M=317{,}33$ g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 26/27/28-36/38 S: 1-13-45 disposal: 7	FL. 2935	1 g	28,25	24,—	22,60	21,20

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62106	**Azobenzene** PROSYNTH® *Azobenzène / Azobenceno* $C_6H_5N=NC_6H_5$ $C_{12}H_{10}N_2$ *M* = 182,22 g/mol assay (UV) ..... 98 % melting range ..... 66–68 °C log ε/317 (CH_3OH) ..... 4,30 R: 20/22 S: 28 disposal: 17	WG. *2928*	250 g	68,50	58,25	54,80	51
62107 A - B 4.1/14 C 4.1 1325 2	**α,α'-Azo-*iso*-butyronitrile** PROSYNTH® *α,α'-Azo-iso-butyronitrile / α,α'-Azo-iso-butironitrilo* $(CH_3)_2C(CN)N=NC(CH_3)_2CN$ $C_8H_{12}N_4$ *M* = 164,21 g/mol assay (GC) ..... 98 % melting range ..... 102–104 °C (disint.) keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 20/21/22 S: 28 disposal: 15	WG. *2928*	250 g	23,50	20,–	18,80	17
62109 A - B 4.1/15E C 4.1 1325 2	**Azodicarboxamide** PROSYNTH® *Azodicarboxamide / Azodicarboxamida* $NH_2CON=NCONH_2$ $C_2H_4N_4O_2$ *M* = 116,08 g/mol assay (ex N) ..... 98 % melting range ..... 220–225 °C (disint.)	PF. *2928*	250 g	22,50	19,15	18,–	16
	Azodiformamide see Azodicarboxamide						
33037	**Azophloxine** for microscopy (C. I. No. 18050, S. Nr. 40) *Azophloxine / Azofloxina* $C_{16}H_{13}N_3Na_2O_8S_2$ *M* = 509,43 g/mol	WG. *2928*	25 g	10,50	8,95	8,40	7,
60474	**Azulene** PROSYNTH® *Azulène / Azulen* $C_{10}H_8$ *M* = 128,17 g/mol Gehalt (GC) ..... 99 % assay (GC) ..... 99 % melting range ..... 98–100 °C	FL. *2901*	1 g	135,50	115,20	108,40	101,
	Azulene see also Guaiazulene						
32706	**Azur II** for microscopy (C. I. Nr. 52010/52015, S. Nr. 1038/1039) *Azur II / Azur II*	WG. *3205*	10 g	11,–	9,35	8,80	8,
32708	**Azur II-eosine** for microscopy (C. I. Nr. 52010/52015/45380, S. Nr. 1038/1039/881) *Azur II-éosine / Azur II-eosina*	*3205*					
32807	**Azur eosin methylene-blue** according to Giemsa for microscopy *Azur éosine-bleu de méthylène / Azur-eosina-azul de metileno*	WG. WG. *3205*	10 g 100 g	15,75 90,50	13,40 76,95	12,60 72,40	11, 67,
32884 A 3/5 C 3.2 1230 2 +15 °C	**Azur eosin methylene-blue solution** according to Giemsa for microscopy *Azur éosine-bleu de méthylène en solution / Azur-eosina-azul de metileno en solución* 1 L ≈ 0,99 kg R: 11-23/25 S: 2-7-16-24 disposal: 18	FL. FL. FL. *3205*	250 ml 1 L 2,5 L	12,– 31,25 69,–	10,20 26,55 57,25	9,60 25,– 53,80	9, 24, 51,
	BAA see N^{α}-Benzoyl-L-argininamide hydrochloride						
	BAEE see N^{α}-Benzoyl-L-arginine ethyl ester hydrochloride						
	Balsames on request						

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25	**B-4-amino-quinoline urea** [1,3-Bis-(4-amino-2-methylquinoline-6-yl)-urea dihydrochloride] $C_{21}H_{22}Cl_2N_8O \cdot 3{,}5H_2O$ $M = 508{,}40$ g/mol assay (for dry substance) ..... 98% melting point ..... >300 °C (disint.) water (according to Karl Fischer) ..... 11—14% sulphated ash ..... 0,1% iron (Fe) ..... 0,004% heavy metals (as Pb) ..... 0,002% 4,6-diamino-2-methylquinoline 0,1%	PF. 2935	1 kg	2616,—			
	BANI see N^{α}-Benzoyl-DL-arginine-4-nitroanilide hydrochloride						
	BAO see Bis-(4-aminophenyl)-1,4,5-oxadiazole						
	Barbital see 5,5-Diethylbarbituric acid						
	Barbital sodium see Sodium diethylbarbiturate						
401 .3/1A .3 1400 2	**Barium** about 99,5% *Baryum / Bario* Ba $M = 137{,}33$ g/mol R: 15 S: 8-24/25-43A disposal: 28	BL. 2805	100 g	62,50	53,15	50,—	46,90
601 6.1/71 6.1 1564 3	**0,100 g Barium** FIXANAL® water-soluble standard for atom absorption *0,100 g Baryum / 0,100 g Bario* ampoule	3819	1 pack	10,25	8,70	8,20	7,70
3666 3/3 3.3 1992 2 25 °C	**0,100 g** *organo*-**Barium** FIXANAL® petroleum ether-soluble standard for atom absorption *0,100 g organo-Baryum / 0,100 g organo-Bario* ampoule R: 10	3819	1 pack	33,75	28,70	27,—	25,30
3553 6.1/71 6.1 1564 3	**1,00 g Barium** FIXANAL® watersoluble standard for atom absorption *1,00 g Baryum / 1,00 g Bario* ampoule R: 22 S: 24/25	3819	1 pack	10,25	8,70	8,20	7,70
8825 6.1/71 6.1 2810 3	**10,00 g Barium** FIXANAL® as Barium chloride *10,00 g Baryum / 10,00 g Bario* ampoule R: 22 S: 24/25	3819	1 pack	18,75	15,95	15,—	14,05
2305 6.1/71 6.1 1564 3	**Barium acetate** R. G., Reag. ACS *Baryum acétate / Bario acetato* $(CH_3COO)_2Ba$ $C_4H_6BaO_4$ $M = 255{,}42$ g/mol assay ..... min. 99% insoluble in water ..... max. 0,005% pH (5%, 20 °C) ..... 7,0—8,5 calcium (Ca) ..... max. 0,002% iron (Fe) ..... max. 0,0005% potassium (K) ..... max. 0,01% magnesium (Mg) ..... max. 0,001% sodium (Na) ..... max. 0,01% heavy metals (as Pb) ..... max. 0,0005% strontium (Sr) ..... max. 0,2% chloride (Cl) ..... max. 0,0005% nitrate (NO_3) ..... max. 0,002% matters reducing $KMnO_4$ (as HCOOH) ... max. 0,025% R: 20/22 S: 28 disposal: 24	PF. 2914 PF. FTP.	250 g 1 kg 50 kg	9,50 29,25 kg	8,10 24,85 13,25	7,60 23,40	7,15 22,50

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17812 A 6.1/71 C 6.1 1564 3	**Barium acetate** PURANAL® *Baryum acétate / Bario acetato* $(CH_3COO)_2Ba$ $C_4H_6BaO_4$ $M = 255{,}42$ g/mol analytical data on request R: 20/22 S: 28 disposal: 24	PF. FTP. *2914*	5 kg 50 kg	price on request price on request			
17882 A 6.1/71 C 6.1 1564 2	**Barium acetate** anhydrous PURANAL® *Baryum acétate / Bario acetato* $(CH_3COO)_2Ba$ $C_4H_6BaO_4$ $M = 255{,}42$ g/mol analytical data on request R: 20/22 S: 28 disposal: 24	PF. *2914*	5 kg	price on request			
25008 A 6.1/71 C 6.1 1564 3	**Barium acetate** chem. pure *Baryum acétate / Bario acetato* $(CH_3COO)_2Ba$ $C_4H_6BaO_4$ $M = 255{,}42$ g/mol assay ..... 99% pH (5%, 20 °C) ..... 7–9 iron (Fe) ..... 0,001% heavy metals (as Pb) ..... 0,002% chloride (Cl) ..... 0,002% substances not precipitated by sulphuric acid (as sulphates) ..... 0,3% R: 20/22 S: 28 disposal: 24	PF. FTP. FTP. *2914*	1 kg 50 kg 5x	25,75 kg kg	21,90 7,90 7,45	20,60	19
25010 A 6.1/71 C 6.1 1564 3	**Barium acetate** technical *Baryum acétate / Bario acetato* $(CH_3COO)_2Ba$ $C_4H_6BaO_4$ $M = 255{,}42$ g/mol assay ..... 98% pH (5%, 20 °C) ..... 7–9 iron (Fe) ..... 0,002% heavy metals (as Pb) ..... 0,002% chloride (Cl) ..... 0,02% R: 20/22 S: 28 disposal: 24	PF. S. *2914*	1 kg 50 kg	21,75 price on request	18,50	17,40	16
11469 A 6.1/32B C 6.1 1571 2	**Barium azide** (with 0,5 ml H_2O/g) *Baryum azoture / Bario nitruro* BaN_6 $M = 221{,}37$ g/mol R: 20/22 S: 28 disposal: 17	WG. *2857*	1 kg	674,—	572,90	539,20	519
02103 A 6.1/71 C 6.1 1564 3	**Barium bromide-2-hydrate** *Baryum bromure-2-hydrate / Bario bromuro-2-hidrato* $BaBr_2 \cdot 2H_2O$ $M = 333{,}16$ g/mol assay ..... 100% iron (Fe) ..... 0,001% heavy metals (as Pb) ..... 0,001% R: 20/22 S: 28 disposal: 24	PF. PF. S. *2830*	500 g 1 kg 50 kg	12,— 22,— price on request	10,20 18,70	9,60 17,60	9 16

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24 /71 1564 3	**Barium carbonate** R. G., Reag. ACS *Baryum carbonate / Bario carbonato* $BaCO_3$ $M = 197{,}34$ g/mol assay ..... min. 99% assay of $Ba(OH)_2$ ..... max. 0,015% insoluble in hydrochloric acid ..... max. 0,015% calcium (Ca) ..... max. 0,02% iron (Fe) ..... max. 0,001% heavy metals (as Pb) ..... max. 0,001% strontium (Sr) ..... max. 0,3% substances not precipitated by sulphuric acid (as sulphates) ..... max. 0,2% chloride (Cl) ..... max. 0,002% nitrate (NO_3) ..... max. 0,005% sulphide (S) ..... max. 0,001% R: 20/22 S: 28 disposal: 24		PF.	250 g	17,25	14,65	13,80	12,95
		PF.	500 g	28,—	23,80	22,40	21,55
		PF.	1 kg	49,75	42,30	39,80	38,30
		FTP.	50 kg	kg	27,—		
		2842					
301 1/71 1 1564 3	**Barium carbonate** PURANAL® *Baryum carbonate / Bario carbonato* $BaCO_3$ $M = 197{,}34$ g/mol analytical data on request R: 20/22 S: 28 disposal: 24		PF.	2,5 kg	price on request			
		FTP.	50 kg	price on request			
		2842					
405 1/71 1 1564 3	**Barium carbonate** chem. pure *Baryum carbonate / Bario carbonato* $BaCO_3$ $M = 197{,}34$ g/mol assay ..... 99% assay of $Ba(OH)_2$ ..... 0,02% calcium (Ca) ..... 0,01% iron (Fe) ..... 0,001% heavy metals (as Pb) ..... 0,002% strontium (Sr) ..... 0,8% chloride (Cl) ..... 0,005% nitrate (NO_3) ..... 0,005% R: 20/22 S: 28 disposal: 24		PF.	500 g	14,—	11,90	11,20	10,80
		PF.	1 kg	24,75	21,05	19,80	19,05
		PF.	5 kg	92,50	76,80	72,15	69,40
		FT.	40 kg	price on request			
		2842					
410 .1/4A .1 1445 2	**Barium chlorate-1-hydrate** pure powder *Baryum chlorate-1-hydrate / Bario clorato-1-hidrato* $Ba(ClO_3)_2 \cdot H_2O$ $M = 322{,}25$ g/mol assay ..... 99% iron (Fe) ..... 0,001% heavy metals (as Pb) ..... 0,001% chloride (Cl) ..... 0,005% sulphate (SO_4) ..... 0,005% R: 9-20/22 S: 13-27 disposal: 16		PF.	1 kg	21,50	18,30	17,20	16,55
		BLT.	50 kg	price on request			
		2832					
125 .1/71 .1 1564 3	**Barium chloride-2-hydrate** R. G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I *Baryum chlorure-2-hydrate / Bario cloruro-2-hidrato* $BaCl_2 \cdot 2H_2O$ $M = 244{,}27$ g/mol assay ..... min. 99% insoluble in water ..... max. 0,005% pH (5%, 20 °C) ..... 5,2—8,0 calcium (Ca) ..... max. 0,005% iron (Fe) ..... max. 0,0001% potassium (K) ..... max. 0,005% magnesium (Mg) ..... max. 0,001% sodium (Na) ..... max. 0,005% heavy metals (as Pb) ..... max. 0,0005% strontium (Sr) ..... max. 0,01% nitrate (NO_3) ..... max. 0,005% total nitrogen (N) ..... max. 0,002% R: 20/22 S: 28 disposal: 24		PF.	500 g	12,75	10,85	10,20	9,80
		PF.	1 kg	21,—	17,85	16,80	16,15
		PF.	5 kg	84,50	70,15	65,90	63,40
		FTP.	50 kg	kg	8,75		
		2830					

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11411 A 6.1/71 C 6.1 1564 3	**Barium chloride-2-hydrate** chem. pure cryst. *Baryum chlorure-2-hydrate / Bario cloruro-2-hidrato* $BaCl_2 \cdot 2H_2O$ *M* = 244,27 g/mol assay ..... 99% pH (5%, 20 °C) ..... 5—7 calcium (Ca) ..... 0,02% iron (Fe) ..... 0,001% potassium (K) ..... 0,01% magnesium (Mg) ..... 0,002% sodium (Na) ..... 0,02% heavy metals (as Pb) ..... 0,001% R: 20/22 S: 28 disposal: 24	PF. PF. S. S. *2830*	1 kg 5 kg 50 kg 5x	14,50 52,50 kg kg	12,35 43,60 5,90 5,70	11,60 40,95	
11413 A 6.1/71 C 6.1 1564 3	**Barium chloride-2-hydrate** technical cryst. *Baryum chlorure-2-hydrate / Bario cloruro-2-hidrato* $BaCl_2 \cdot 2H_2O$ *M* = 244,27 g/mol assay ..... 99% iron (Fe) ..... 0,002% heavy metals (as Pb) ..... 0,002% substances not precipitated by sulphuric acid (as sulphates) ..... 0,2% R: 20/22 S: 28 disposal: 24	PF. S. *2830*	5 kg 50 kg	35,50	29,45 price on request	27,70	2
38030 A 6.1/71 C 6.1 1564 3	**0,1 mol Barium chloride** FIXANAL® 12,214 g $BaCl_2 \cdot H_2O$ for 1 L 0,1 N solution *0,1 mol Baryum chlorure / 0,1 mol Bario cloruro* ampoule R: 22 S: 24/25	*3819*	1 pack	8,75	7,45	7,—	
31204 A 6.1/71 C 6.1 1564 3	**Barium chromate** R. G. *Baryum chromate / Bario cromato* $BaCrO_4$ *M* = 253,32 g/mol assay ..... min. 99% soluble chromates (as CrO_3) ..... max. 0,005% insoluble in hydrochloric acid ..... max. 0,1% iron (Fe) ..... max. 0,002% chloride (Cl) ..... max. 0,01% R: 20/22 S: 28 disposal: 24	PF. PF. *2847*	100 g 1 kg	12,— 87,50	10,20 74,40	9,60 70,—	9 6
11802 A 6.1/31A C 6.1 1565 1	**Barium cyanide** 45—50% $Ba(CN)_2$, technical powder *Baryum cyanure / Bario cianuro* R: 26/27/28-32 S: 1/2-7-28-29-45 disposal: 22	PF. BLT. *2843*	1 kg 50 kg	25,25	21,45 price on request	20,20	1
	Barium dioxide see Barium peroxide						
	Barium diphenylaminesulphonate see Diphenylaminesulphonic acid barium salt						
01115 A 6.1/71 C 6.1 1564 3	**Barium fluoride** COTAL® powder *Baryum fluorure / Bario fluoruro* BaF_2 *M* = 175,33 g/mol R: 20/22 S: 28 disposal: 27	PF. FTP. *2829*	100 g 25 kg	40,25	34,20 price on request	32,20	3
01218 A 6.1/71 C 6.1 1564 3	**Barium fluoride** for glass industry *Baryum fluorure / Bario fluoruro* BaF_2 *M* = 175,33 g/mol R: 20/22 S: 28 disposal: 27	PF. FTP. *2829*	1 kg 50 kg	price on request price on request			

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18 /71 1564 3	**Barium fluoride** technical *Baryum fluorure / Bario fluoruro* BaF_2 $M = 175{,}33$ g/mol assay ..... 96% loss on ignition ..... 4% R: 20/22 S: 28 disposal: 27	PF. S. *2829*	1 kg 50 kg	22,50 price on request	19,15	18,—	17,35
04 /71 1564 3	**Barium fluorosilicate** *Baryum fluorosilicate / Bario fluorosilicato* $BaSiF_6$ $M = 279{,}41$ g/mol assay of fluorine ..... 39—41% iron (Fe) ..... 0,05% chloride (Cl) ..... 0,05% R: 22 S: 2-13-24/25 disposal: 27	PF. S. *2829*	1 kg 50 kg	44,25 price on request	37,60	35,40	34,05
31 3/2B 3 1409 1	**Barium hydride** *Baryum hydrure / Bario hidruro* BaH_2 $M = 139{,}35$ g/mol R: 15 S: 7/8-24/25-43A disposal: 28	BL. *2857*	100 g	103,50	88,—	82,80	77,65
27 1/71 1 1564 3	**Barium hydroxide-8-hydrate** R. G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I *Baryum hydroxyde-8-hydrate / Bario hidróxido-8-hidrato* $Ba(OH)_2 \cdot 8H_2O$ $M = 315{,}47$ g/mol assay ..... min. 98% assay of $BaCO_3$ ..... max. 2% insoluble in hydrochloric acid ..... max. 0,005% calcium (Ca) ..... max. 0,005% iron (Fe) ..... max. 0,0005% potassium (K) ..... max. 0,005% magnesium (Mg) ..... max. 0,002% sodium (Na) ..... max. 0,005% heavy metals (as Pb) ..... max. 0,0005% strontium (Sr) ..... max. 0,7% chloride (Cl) ..... max. 0,001% sulphide (S) ..... max. 0,0005% R: 20/22 S: 28 disposal: 24	PF. PF. FT. *2818*	500 g 1 kg 50 kg	11,— 20,— kg	9,35 17,— 8,75	8,80 16,—	8,45 15,40
415 1/71 1 1564 3	**Barium hydroxide-8-hydrate** chem. pure cryst. *Baryum hydroxyde-8-hydrate / Bario hidróxido-8-hidrato* $Ba(OH)_2 \cdot 8H_2O$ $M = 315{,}47$ g/mol assay ..... 97% assay of $BaCO_3$ ..... 2% insoluble in hydrochloric acid ..... 0,01% calcium (Ca) ..... 0,005% iron (Fe) ..... 0,001% heavy metals (as Pb) ..... 0,001% substances not precipitated by sulphuric acid (as sulphates) ..... 0,2% chloride (Cl) ..... 0,005% sulphide (S) ..... 0,001% R: 20/22 S: 28 disposal: 3	PF. S. S. *2818*	1 kg 50 kg 10x	15,75 kg kg	13,40 7,25 6,90	12,60	12,15
418 1/71 1 1564 3	**Barium hydroxide-8-hydrate** technical cryst. *Baryum hydroxyde-8-hydrate / Bario hidróxido-8-hidrato* $Ba(OH)_2 \cdot 8H_2O$ $M = 315{,}47$ g/mol assay ..... 94% assay of $BaCO_3$ ..... 2% iron (Fe) ..... 0,003% heavy metals (as Pb) ..... 0,003% chloride (Cl) ..... 0,2% R: 20/22 S: 28 disposal: 3	PF. S. S. *2818*	5 kg 50 kg 5x	31,75 kg kg	26,35 3,50 3,40	24,75	23,80

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)
35050 A 6.1/71 C 6.1 1564 3	**Barium hydroxide solution 0,05 mol/l** 0,1 N volumetric solution *Baryum hydroxyde en solution 0,05 mol/l / Bario hidróxido en solución 0,05 mol/l* **1 L ≈ 1,01 kg** R: 22 S: 24/25 disposal: 3	FL. *3819*	1 L	16,—	13,60	12,80
04404 A 6.1/71 C 6.1 1564 3	**Barium hypophosphite** chem. pure *Baryum hypophosphite / Bario hipofosfito* $Ba(PH_2O_2)_2$ $M = 267{,}32$ g/mol assay ..... 98% pH (5%, 20 °C) ..... 3—5 iron (Fe) ..... 0,002% heavy metals (as Pb) ..... 0,002% chloride (Cl) ..... 0,05% phosphite (as H_3PO_3) ..... 1% R: 20/22 S: 28 disposal: 24	PF. FTP. *2840*	1 kg 50 kg	44,25 price on request	37,60	35,40
31128 A 5.1/7C B 6.1/71 C 5.1 1446 2	**Barium nitrate** R. G., Reag. ACS *Baryum nitrate / Bario nitrato* $Ba(NO_3)_2$ $M = 261{,}34$ g/mol assay ..... min. 99% insoluble in water ..... max. 0,005% pH (5%, 20 °C) ..... 5—7 ammonium (NH_4) ..... max. 0,001% calcium (Ca) ..... max. 0,002% iron (Fe) ..... max. 0,0002% potassium (K) ..... max. 0,01% magnesium (Mg) ..... max. 0,002% sodium (Na) ..... max. 0,01% heavy metals (as Pb) ..... max. 0,0005% strontium (Sr) ..... max. 0,05% chloride (Cl) ..... max. 0,0005% R: 20/22 S: 28 disposal: 24	PF. PF. FTP. *2839*	500 g 1 kg 50 kg	15,75 28,50 kg	13,40 24,25 12,25	12,60 22,80
17802 A 5.1/7C B 6.1/71 C 5.1 1446 2	**Barium nitrate** PURANAL® *Baryum nitrate / Bario nitrato* $Ba(NO_3)_2$ $M = 261{,}34$ g/mol analytical data on request R: 20/22 S: 28 disposal: 24	PF. FTP. *2839*	5 kg 50 kg	price on request price on request		
11420 A 5.1/7C B 6.1/71 C 5.1 1446 2	**Barium nitrate** chem. pure *Baryum nitrate / Bario nitrato* $Ba(NO_3)_2$ $M = 261{,}34$ g/mol assay ..... 99% pH (5%, 20 °C) ..... 5—7 iron (Fe) ..... 0,0005% heavy metals (as Pb) ..... 0,001% chloride (Cl) ..... 0,0005% substances not precipitated by sulphuric acid (as sulphates) ..... 0,1% R: 20/22 S: 28 disposal: 16	PF. PF. S. *2839*	1 kg 5 kg 50 kg	14,75 56,— price on request	12,55 46,50	11,80 43,70

refer explanations

Number ADR E/GGVS G-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
2 7C 71 1446 2	**Barium nitrate** pure powder for green fireworks *Baryum nitrate / Bario nitrato* $Ba(NO_3)_2$ *M* = 261,34 g/mol assay ..... 99% loss on drying (130 °C, 2 h) ..... 0,2% pH (5%, 20 °C) ..... 5–7 calcium (Ca) ..... 0,005% iron (Fe) ..... 0,005% magnesium (Mg) ..... 0,005% sodium (Na) ..... 0,005% heavy metals (as Pb) ..... 0,005% chloride (Cl) ..... 0,001% R: 20/22 S: 28 disposal: 16	PF. S. 2839	2,5 kg 50 kg	28,50 price on request	23,65	22,25	21,40
24 /8 1479 2	**Barium nitrite** *Baryum nitrite / Bario nitrito* $Ba(NO_2)_2 \cdot H_2O$ *M* = 247,36 g/mol R: 22 S: 2-13 disposal: 24	WG. 2839	50 g	28,25	24,–	22,60	21,20
25 1/71 1 1884 3	**Barium oxide** 97%, pure lumps *Baryum oxyde / Bario óxido* BaO *M* = 153,33 g/mol R: 20/22 S: 28 disposal: 24	BL. BL. BLT. 2818	1 kg 2,5 kg 100 kg	51,50 112,50 price on request	43,80 93,40	41,20 87,75	39,65 84,40
163 1/71 1 1884 3	**Barium oxide** powder *Baryum oxyde / Bario óxido* BaO *M* = 153,33 g/mol R: 20/22 S: 28 disposal: 24	PF. BLT. 2818	1 kg 100 kg	price on request price on request			
	Barium oxide hydrated see Barium hydroxide						
126 .1/4B .1 1447 2	**Barium perchlorate** anhydrous R. G. *Baryum perchlorate / Bario perclorato* $Ba(ClO_4)_2$ *M* = 336,24 g/mol assay ..... min. 98% insoluble in water ..... max. 0,1% insoluble in methanol ..... max. 0,1% water (according to Karl Fischer) ..... max. 2% calcium (Ca) ..... max. 0,05% iron (Fe) ..... max. 0,0005% potassium (K) ..... max. 0,01% magnesium (Mg) ..... max. 0,005% sodium (Na) ..... max. 0,02% heavy metals (as Pb) ..... max. 0,0005% strontium (Sr) ..... max. 0,01% chloride (Cl) ..... max. 0,01% R: 9-20/22 S: 27 disposal: 16	BL. 2832	500 g	58,–	49,30	46,40	44,65
428 5.1/9B 5.1 1449 2	**Barium peroxide** powder, min. 95% BaO_2 *Baryum peroxyde / Bario peróxido* BaO_2 *M* = 169,33 g/mol assay ..... 95% insoluble in hydrochloric acid ..... 1% loss on drying (105 °C) ..... 0,5% iron (Fe) ..... 0,005% heavy metals (as Pb) ..... 0,01% substances not precipitated by sulphuric acid (as sulphates) ..... 1% chloride (Cl) ..... 0,02% R: 8-20/22 S: 13-27 disposal: 16	BL. BL. BL. BLT. 2818	500 g 1 kg 5 kg 50 kg	40,50 74,– 313,– price on request	34,45 62,90 259,80	32,40 59,20 244,15	31,20 57,– 234,75
	Barium silicofluoride see Barium fluorosilicate						

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11432	**Barium sulphate** chem. pure Ph. Eur. I, B. P. 1973, Ph. Franç IX, for X-ray examinations *Baryum sulfate / Bario sulfato* $BaSO_4$ $M = 233{,}39$ g/mol loss on ignition (600 °C) ..... 1% soluble Ba-salts ..... passes test acidly or alkalinely reacting impurities ..... passes test arsenic (As) ..... 0,0002% heavy metals (as Pb) ..... 0,0005% phosphate (PO_4) ..... 0,003% oxidizable sulphur ..... passes test	PF. PF. S. *2838*	1 kg 5 kg 25 kg	12,— 35,50 price on request	10,20 29,45	9,60 27,70
11435 A 6.1/71 C 6.1 1564 3	**Barium sulphide** 85%, pure *Baryum sulfure / Bario sulfuro* BaS $M = 169{,}40$ g/mol R: 20/22-31 S: 28 disposal: 9	PF. PF. BLT. *2835*	1 kg 5 kg 50 kg	46,50 195,— price on request	39,55 161,85	37,20 152,10
11437 A 6.1/71 C 6.1 1564 3	**Barium sulphide** technical powder *Baryum sulfure / Bario sulfuro* BaS $M = 169{,}40$ g/mol R: 20/22-31 S: 28 disposal: 9	PF. PF. FTP. *2835*	1 kg 5 kg 50 kg	12,75 47,25 price on request	10,85 39,20	10,20 36,85
	Barium superoxide see Barium peroxide					
10421 C 6.1 1564 3	**Barium titanate(IV)** *Baryum titanate(IV) / Bario titanato(IV)* $BaTiO_3$ $M = 233{,}23$ g/mol assay ..... 98% R: 20/22 S: 28 disposal: 24	PF. *2847*	1 kg	70,—	59,50	56,—
	Baryt see Barium sulphate					
	Basic blue 9 see Methylene blue					
36114	**Bates' reagent** *Réactif de Bates / Reactivo de Bates* $C_{12}H_{36}B_2F_8N_6OP_2$ $M = 516{,}02$ g/mol	FL. *2934*	1 g	39,25	33,35	31,40
33087	**Bathocuproin** R. G. *Bathocuproïne / Batocuproina* $C_{26}H_{20}N_2$ $M = 360{,}46$ g/mol	FL. *2935*	1 g	69,—	58,65	55,20
33088	**Bathocuproin disulphonic acid disodium salt** R. G. *Acide bathocuproïnedisulfonique sel disodique / Acido batocuproindisulfónico sal disódica* $C_{26}H_{18}N_2Na_2O_6S_2$ $M = 564{,}55$ g/mol loss on drying (105 °C) ..... max. 2%	WG. *2935*	1 g	82,50	70,15	66,—
33089	**Bathophenanthrolin** R. G. *Bathophénanthroline / Batofenantrolina* $C_{24}H_{16}N_2$ $M = 332{,}40$ g/mol	FL. *2935*	1 g	76,—	64,60	60,80
33090	**Bathophenanthrolin disulphonic acid disodium salt** R. G. *Acide bathophénanthrolinedisulfonique sel disodique / Acido batofenantrolindisulfónico sal disódica* $C_{24}H_{14}N_2Na_2O_6S_2 \cdot H_2O$ $M = 554{,}51$ g/mol	FL. *2935*	1 g	98,50	83,75	78,80
63246	**Batyl alcohol** PROSYNTH® *Alcool batylique / Alcohol batílico* $CH_3(CH_2)_{17}OCH_2CH(OH)CH_2OH$ $C_{21}H_{44}O_3$ $M = 344{,}58$ g/mol assay ..... 95% melting range ..... 68–70 °C	WG. *2908*	5 g	104,—	88,40	83,20

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97	**BBOT** for scintillation [2,5-Bis-(*tert*-benzoxazolyl)-thiophene] $C_{26}H_{26}N_2O_2S$ $M = 430{,}57$ g/mol melting range ..... 199—201 °C	WG. 2935	100 g	251,—	213,35	200,80	188,25
47	**Behenic acid** PROSYNTH® *Acide béhénique / Acido behénico* $CH_3(CH_2)_{20}COOH$ $C_{22}H_{44}O_2$ $M = 340{,}59$ g/mol assay (GC) ..... 85 % melting range ..... 75—77 °C	WG. 2914	500 g	39,25	33,35	31,40	30,20
	Behenyl alcohol see Docosanol-(1)						
05	**Benedict's reagent** for the quantitative determination of sugar *Réactif de Benedict / Reactivo de Benedict* 1 L ≈ 1,23 kg	PF. 3819	250 ml	13,25	11,25	10,60	9,95
007	**Benedict's reagent** for the qualitative determination of sugar *Réactif de Benedict / Reactivo de Benedict* 1 L ≈ 1,19 kg	PF. 3819	250 ml	13,25	11,25	10,60	9,95
611	**Bentone® 34** for gas chromatography working temperature ..... to 200 °C	WG. 3819	50 g	24,75	21,05	19,80	18,55
248	**Benzalazine** PROSYNTH® *Benzalazine / Benzalazina* $C_6H_5CH{=}NN{=}CHC_6H_5$ $C_{14}H_{12}N_2$ $M = 208{,}26$ g/mol assay (HPLC) ..... 98 % melting range ..... 91—93 °C	PF. 2929	100 g	43,75	37,20	35,—	32,80
952 1/61K 1 2810 2	**Benzal bromide** PROSYNTH® *Benzal bromure / Benzal bromuro* $C_6H_5CHBr_2$ $C_7H_6Br_2$ $M = 249{,}93$ g/mol 1 L ≈ 1,51 kg assay (GC) ..... 98 % boiling range (at 31 mbar) ..... 154—156 °C refractive index (n_D^{20}) 1,615	FL. 2902	25 ml	98,—	83,30	78,40	73,50
592 1/22 3 1760 2	**Benzal chloride** PROSYNTH® *Benzal chlorure / Benzal cloruro* $C_6H_5CHCl_2$ $C_7H_6Cl_2$ $M = 161{,}03$ g/mol 1 L ≈ 1,25 kg assay (GC) ..... 98 % boiling range ..... 202—204 °C refractive index (n_D^{20}) ..... 1,550 R: 36/37/38 S: 39 disposal: 21	FL. 2902	100 ml	42,75	36,35	34,20	32,05
5173 3/4 3.3 1990 3 64 °C	**Benzaldehyde** chem. pure DAB 6 *Benzaldéhyde / Benzaldehido* C_6H_5CHO C_7H_6O $M = 106{,}12$ g/mol 1 L ≈ 1,04 kg assay ..... 98,5 % boiling range ..... 178—182 °C density (D_4^{20}) ..... 1,046—1,050 chlorine compounds (as Cl) ..... 0,01 % R: 22 S: 24 disposal: 14	FL. FL. EKL. F. 2911	1 L 2,5 L 30 kg 200 kg	22,25 47,25	18,90 39,20	17,80 36,85	17,15 35,45
	Benzaldehyde cyanohydrin see α-Hydroxyphenylacetonitrile						

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64819	**Benzaldehyde-2,4-disulphonic acid disodium salt dihydrate** PROSYNTH® *Acide benzaldéhyde-2-4-disulfonique sel disodique dihydrate / Acido benzaldehido-2,4-disulfónico sal disódica dihidrato* $(NaO_3S)_2C_6H_3CHO \cdot H_2O$ $C_7H_4Na_2O_7S_2 \cdot H_2O$ *M* = 346,25 g/mol assay 95%	WG. *2912*	250 g	25,50	21,70	20,40
64288	**Benzaldehyde oxime** PROSYNTH® *Benzaldéhyde-oxime / Benzaldoxima* $C_6H_5CH=NOH$ C_7H_7NO *M* = 121,14 g/mol 1 L ≈ 1,11 kg assay (ex N) ..... 97% melting range ..... 33—35 °C	FL. *2929*	100 ml	82,—	69,70	65,60
64289	**Benzamide** PROSYNTH® *Benzamide / Benzamida* $C_6H_5CONH_2$ C_7H_7NO *M* = 121,14 g/mol	WG. *2925*	250 g	20,75	17,65	16,60
	Benzaminoacetic acid see Hippuric acid					
62110 A 6.1/22 C 6.1 2811 2	**Benzanilide** PROSYNTH® *Benzanilide / Benzanilida* $C_6H_5CONHC_6H_5$ $C_{13}H_{11}NO$ *M* = 197,24 g/mol assay (ex N) ..... 96% melting range ..... 161—163 °C	PF. *2925*	100 g	24,25	20,60	19,40
32212 A 3/1A C 3.2 1114 2 -11 °C	★ **Benzene** R. G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I *Benzène / Benceno* C_6H_6 *M* = 78,11 g/mol 1 L ≈ 0,88 kg assay (GC) ..... min. 99,7% congealing point ..... min. 5,2 °C boiling range ..... 79—81 °C density (D_4^{20}) ..... 0,878—0,880 refractive index (n_D^{20}) ..... 1,5000—1,5020 non-volatile matter ..... max. 0,001% water (according to Karl Fischer) ..... max. 0,03% free acid (as HCl) ..... max. 0,0004% free alkali (as NH_3) ..... max. 0,0002% aluminium (Al) ..... max. 0,00005% barium (Ba) ..... max. 0,00001% lead (Pb) ..... max. 0,000001% boron (B) ..... max. 0,000002% cadmium (Cd) ..... max. 0,000005% calcium (Ca) ..... max. 0,00005% chromium (Cr) ..... max. 0,000002% iron (Fe) ..... max. 0,00001% cobalt (Co) ..... max. 0,000002% copper (Cu) ..... max. 0,000001% magnesium (Mg) ..... max. 0,00001% manganese (Mn) ..... max. 0,000002% nickel (Ni) ..... max. 0,000002% zinc (Zn) ..... max. 0,000001% tin (Sn) ..... max. 0,00001% thiophene ..... max. 0,0001% other sulphur compounds (as S) ..... max. 0,0005% R: 11-23/24-39 S: 9-16-29 disposal: 13	FL. FL. EKL. EKL. EKL. *2901*	1 L 2,5 L 30 L 5x 10x	22,— 46,25 L L L	18,70 38,40 8,40 8,— 7,75	17,15 36,10

refer explanations

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50 A 1114 2 C	**Benzene** R. G., dried (max. 0,01% H_2O) *Benzène / Benceno* C_6H_6 $M = 78{,}11$ g/mol **1 L ≈ 0,88 kg** assay (GC) ..... min. 99,7% congealing point ..... min. 5,2 °C boiling range ..... 79–81° C density (D_4^{20}) ..... 0,878–0,880 refractive index (n_D^{20}) ..... 1,5000–1,5020 non-volatile matter ..... max. 0,001% water (according to Karl Fischer) ..... max. 0,01% free acid (as HCl) ..... max. 0,0004% free alkali (as NH_3) ..... max. 0,0002% aluminium (Al) ..... max. 0,00005% barium (Ba) ..... max. 0,00001% lead (Pb) ..... max. 0,000001% boron (B) ..... max. 0,000002% cadmium (Cd) ..... max. 0,000005% calcium (Ca) ..... max. 0,00005% chromium (Cr) ..... max. 0,000002% iron (Fe) ..... max. 0,00001% cobalt (Co) ..... max. 0,000002% copper (Cu) ..... max. 0,000001% magnesium (Mg) ..... max. 0,00001% manganese (Mn) ..... max. 0,000002% nickel (Ni) ..... max. 0,000002% zinc (Zn) ..... max. 0,000001% tin (Sn) ..... max. 0,00001% thiophene ..... max. 0,0001% other sulphur compounds (as S) ..... max. 0,0005% R: 11-23/24-39 S: 9-16-29 disposal: 13	FL. *2901*	1 L	25,–	21,25	20,–	19,25
833 /1A .2 1114 2 °C	**Benzene** min. 99,9% for gas chromatography *Benzène / Benceno* C_6H_6 $M = 78{,}11$ g/mol **1 L ≈ 0,88 kg** R: 11-23/24-39 S: 9-16-29 disposal: 13	FL. *2901*	5 ml	52,–	44,20	41,60	39,–
914 ★ 3/1A 3.2 1114 2 °C	**Benzene** SPECTRANAL® *Benzène / Benceno* C_6H_6 $M = 78{,}11$ g/mol **1 L ≈ 0,88 kg** assay (GC) ..... min. 99,7% non-volatile matter ..... max. 0,0005% water (acc. to Karl Fischer) ..... max. 0,03% free acid (as HCl) ..... max. 0,001% thiophene ..... max. 0,0005% suitability for UV spectroscopy transmittance (1 cm cell/reference: water) transmittance/wavelength (nm): min. 25%/280, min. 60%/285, min. 80%/290, min. 90%/300, min. 95%/320, min. 98%/from 330 suitability for IR spectroscopy ..... passes test R: 11-23/24-39 S: 9-16-29 disposal: 13	FL. FL. FL. *2901*	500 ml 1 L 2,5 L	23,25 35,75 71,–	19,75 30,40 58,95	18,60 28,60 55,40	17,90 27,55 53,25
4853 ★ 3/1A 3.2 1114 2 1°C	**Benzene** CHROMASOLV® for chromatography (UV-detection) *Benzène / Benceno* C_6H_6 $M = 78{,}11$ g/mol **1 L ≈ 0,88 kg** assay (GC) ..... min. 99,7% non-volatile matter ..... max. 0,0005% water (according to Karl Fischer) ..... max. 0,03% free acid (as HCl) ..... max. 0,001% thiophene ..... max. 0,0005% transmittance (1 cm cell; reference water) transmittance/wavelength (nm): min. 20%/280, min. 50%/285, min. 80%/290, min. 98%/from 330 R: 11-23/24-39 S: 9-16-29 disposal: 13	FL. *2901*	1 L	27,25	23,15	21,80	21,–

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34482 A 3/1A C 3.2 1114 2 -11 °C	**Benzene** PESTANAL® *Benzène / Benceno* C_6H_6 *M* = 78,11 g/mol **1 L ≈ 0,88 kg** assay (GC) ..... min. 99,8 % non-volatile matter ..... max. 0,0005 % water (according to Karl Fischer) ..... max. 0,02 % suitability for residue analysis: Traceable accompanying substances (GC/ECD) (column 0,5 m, glass capillary ∅ 3 mm Silicon TLC 200 on Chromosorb® 100/200) show in the retention volum zones between Pentachlorobenzene, α-HCH, Aldrin and DDT a peak of $< 5 \cdot 10^{-10}$ % ≙ 5 ng/l. R: 11-23/24-39 S: 9-16-29 disposal: 13	FL. FL. *2901*	1 L 2,5 L	25,25 52,50	21,45 43,60	20,20 40,95
24515 A 3/1A C 3.2 1114 2 -11 °C	★ **Benzene** chem. pure *Benzène / Benceno* C_6H_6 *M* = 78,11 g/mol **1 L ≈ 0,88 kg** assay (GC) ..... 99,5 % boiling range ..... 79–81 °C density (D_4^{20}) ..... 0,878–0,880 refractive index (n_D^{20}) ..... 1,5000–1,5020 non-volatile matter ..... 0,001 % water (according to Karl Fischer) ..... 0,03 % thiophene ..... 0,0005 % R: 11-23/24-39 S: 9-16-29 disposal: 13	FL. FL. EKL. EKL. EKL. *2901*	1 L 2,5 L 30 L 5x 10x 20x	20,75 44,— L L L L	17,65 36,50 5,50 5,30 5,— 4,70	16,60 34,30
24519 A 3/1A C 3.2 1114 2 -11 °C	★ **Benzene** pure Erg. B. 6 *Benzène / Benceno* C_6H_6 *M* = 78,11 g/mol **1 L ≈ 0,88 kg** assay (GC) ..... 99 % boiling range ..... 79–82 °C density (D_4^{20}) ..... 0,874–0,884 refractive index (n_D^{20}) ..... 1,5000–1,5020 non-volatile matter ..... 0,001 % R: 11-23/24-39 S: 9-16-29 disposal: 13	FL. FL. EKL. EKL. EKL. *2901*	1 L 2,5 L 30 L 5x 10x	20,— 40,— L L L	17,— 33,20 4,20 4,— 3,75	16,— 31,20
09038 A 3/IA C 3.2 1114 2 -11 °C	**Benzene-d_6** deuteration degree not less than 99,5 atom % D *Benzène-d_6 / Benceno-d_6* C_6D_6 *M* = 84,07 g/mol **1 L ≈ 0,95 kg** R: 11-23/24-39 S: 9-16-29 disposal: 13	A. FL. *2851*	10 ml 100 ml	54,— 443,—	45,90 376,55	43,20 354,40
62117	**Benzeneboronic acid** PROSYNTH® *Acide benzèneboronique / Acido bencenoborónico* $C_6H_5B(OH)_2$ $C_6H_7BO_2$ *M* = 121,93 g/mol assay (alkalimetric) ..... 98 %	WG. *2934*	10 g	63,50	54,—	50,80

Benzene bromide, mono see Bromobenzene

Benzene chloride, mono see Chlorobenzene, *mono*

Benzene chloride, di see Dichlorobenzene

1,4-Benzenedicarboxylic acid see Terephthalic acid

1,2-Benzenediol see Pyrocatechol

1,3-Benzenediol see Resorcinol

1,4-Benzenediol see Hydroquinone

Number ADR E/GGVS S-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	1,3-Benzenedisulphonic acid disodium salt PROSYNTH® *Acide benzènedisulfonique-1-3 sel disodique / Acido 1,3-bencenodisulfónico sal disódica* $C_6H_4(SO_3Na)_2$ $C_6H_4Na_2O_6S_2$ $M = 282{,}20$ g/mol assay 90%	WG. *2903*	1 kg	46,—	39,10	36,80	35,40
*9	**Benzenesulphonamide** PROSYNTH® *Benzènesulfonamide / Bencenosulfonamida* $C_6H_5SO_2NH_2$ $C_6H_7NO_2S$ $M = 157{,}19$ g/mol assay (ex S) ..... 97% melting range ..... 149—152 °C	PF. *2936*	500 g	32,25	27,40	25,80	24,85
	Benzenesulphonic acid see Benzenesulphonamide						
	p-Benzenesulphonic acid-azo-resorcinol sodium salt see Tropaeolin O						
047	**Benzenesulphonic acid monohydrate** PROSYNTH® *Acide benzènesulfonique monohydraté / Acido bencenosulfónico monohidrato* $C_6H_5SO_3H \cdot H_2O$ $C_6H_6O_3S \cdot H_2O$ $M = 176{,}19$ g/mol assay (alkalimetric) ..... 99% melting range ..... 43—45 °C	WG. WG. *2903*	100 g 1 kg	21,75 164,—	18,50 139,40	17,40 131,20	16,30 126,30
048 8/22 6.1 2225 3	**Benzenesulphonyl chloride** PROSYNTH® *Benzènesulfonyle chlorure / Benceno sulfonilo cloruro* $C_6H_5ClO_2S$ $M = 176{,}62$ g/mol **1 L ≈ 1,38 kg** assay (GC) ..... 98% boiling range ..... 249—251 °C refractive index (n_D^{20}) ..... 1,552 R: 34 S: 26 disposal: 21	FL. *2903*	500 ml	35,—	29,75	28,—	26,95
4570 6.1/21 C 6.1/66 6.1 2206 2	**Benzenesulphonyl *iso*-cyanate** PROSYNTH® *Benzénesulfonyle iso-cyanate / Bencenosulfonilo iso-cianato* $C_6H_5SO_2NCO$ $C_7H_5NO_3S$ $M = 183{,}19$ g/mol **1 L ≈ 1,35 kg** assay ..... 97% boiling range (at 15 mbar) ..... 130—132 °C refractive index (n_D^{20}) 1,540	FL. *2930*	5 ml	41,50	35,30	33,20	31,15
	1,2,4,5-Benzenetetracarboxylic acid see Pyromellitic acid						
	1,2,4,5-Benzenetetracarboxylic acid dianhydride see Pyromellitic dianhydride						
	Benzenethiol see Thiophenol R: 23/24/25 S: 44 disposal: 6						
62120	**1,2,3-Benzenetricarboxylic acid** PROSYNTH® *Acide benzènetricarboxylique-(1-2-3) / Acido bencenotricarboxílico-(1,2,3)* $C_6H_3(COOH)_3$ $C_9H_6O_6$ $M = 210{,}14$ g/mol assay (alkalimetric) ..... 95% melting range ..... 197—199 °C	WG. *2915*	10 g	19,—	16,15	15,20	14,25
62121	**1,2,4-Benzenetricarboxylic acid** PROSYNTH® *Acide benzènetricarboxylique-(1-2-4) / Acido bencenotricarboxílico-(1,2,4)* $C_6H_3(COOH)_3$ $C_9H_6O_6$ $M = 210{,}14$ g/mol assay (alkalimetric) ..... 99% melting range ..... 229—231 °C (disint.)	PF. *2915*	250 g	56,50	48,05	45,20	42,40

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	9x (16 Bo
62122	**1,3,5-Benzenetricarboxylic acid** PROSYNTH® *Acide benzènetricarboxylique-(1-3-5) / Acido bencenotricarboxílico-(1,3,5)* $C_6H_3(COOH)_3$ $C_9H_6O_6$ $M = 210{,}14$ g/mol assay (alkalimetric) 98%	PF. *2915*	100 g	48,—	40,80	38,40	36
62123	**1,2,4-Benzenetricarboxylic acid anhydride-1,2** PROSYNTH® *Anhydride-(1-2)-benzènetricarboxylique-(1-2-4) / Anhídrido-(1,2)-bencenotricarboxílico-(1,2,4)* $HOCOC_6H_3COOCO$ $C_9H_4O_5$ $M = 192{,}13$ g/mol assay ..... 98% melting range ..... 165—168 °C R: 36/37/38-42 S: 22-28 disposal: 21	PF. *2915*	500 g	20,75	17,65	16,60	16,
	1,2,3-Benzenetriol see Pyrogallol						
	1,3,5-Benzenetriol see Phloroglucinol						
62111	**Benzhydrol** PROSYNTH® *Benzhydrol / Benzhidrol* $(C_6H_5)_2CHOH$ $C_{13}H_{12}O$ $M = 184{,}24$ g/mol assay (GC) ..... 99% melting range ..... 65—66 °C	PF. *2905*	500 g	82,—	69,70	65,60	63,
33093	**Benzhydroxamic acid** R. G. *Acide benzhydroxamique / Acido benzhidroxámico* $C_6H_5CONHOH$ $C_7H_7NO_2$ $M = 137{,}14$ g/mol	WG. *2929*	25 g	77,50	65,90	62,—	58,
62113	**Benzil** PROSYNTH® *Benzile / Bencilo* $C_6H_5COCOC_6H_5$ $C_{14}H_{10}O_2$ $M = 210{,}23$ g/mol assay ..... 97% melting range ..... 93—95 °C	PF. *2913*	250 g	24,—	20,40	19,20	18,-
15228	**Benzilic acid** *Acide benzilique / Acido bencílico* $(C_6H_5)_2C(OH)COOH$ $C_{14}H_{12}O_3$ $M = 228{,}25$ g/mol	WG. *2916*	100 g	14,25	12,10	11,40	10,7
62114	**Benzimidazole** PROSYNTH® *Benzimidazole / Benzimidazol* $C_6H_4NHCH=N$ $C_7H_6N_2$ $M = 118{,}14$ g/mol assay (ex N) ..... 98% melting range ..... 169—171 °C	WG. *2935*	100 g	31,75	27,—	25,40	23,8
	Benzimidazolylguanidine see 2-Guanylbenzimidazole						
	Benzine see Petroleum ether						
64581	**4,5-Benzisoxazole** PROSYNTH® *4-5-Benzisoxazol / 4,5-Benzisoxazol* $C_6H_4ON=CH$ C_7H_5NO $M = 119{,}12$ g/mol 1 L ≈ 1,17 kg assay ..... 95% boiling range ..... 100—102 °C refractive index (n_D^{20}) 1,433	FL. *2935*	5 ml	32,75	27,85	26,20	24,5
63250	**3,4-Benzo[c]cinnoline** PROSYNTH® *3-4-Benzo[c]cinnoline / 3,4-Benzo[c]cinolina* $C_6H_4C_6H_4N=N$ $C_{12}H_8N_2$ $M = 180{,}21$ g/mol assay (UV) ..... 98% melting range ..... 156—158 °C log ε_{309} (C_2H_5OH) 3,96	FL. *2928*	1 g	30,75	26,15	24,60	23,0

Number ADR E/GGVS S-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	7,8-Benzoflavon see α-Naphtoflavon						
2	**Benzo[b]furan** PROSYNTH® *Benzo [b] furanne / Benzo [b] furano* $C_6H_4OCH=CH$ C_8H_6O *M* = 118,13 g/mol **1 L ≈ 1,09 kg** assay (GC) ..... 99% boiling range ..... 170–173 °C refractive index (n_D^{20}) 1,567	FL. *2935*	10 ml	48,–	40,80	38,40	36,–
93	**2-Benzofurancarboxylic acid** PROSYNTH® *Acide benzofurannecarboxylique-2 / Acido 2-benzofuranocarboxílico* $C_6H_4OC(COOH)=CH$ $C_9H_6O_3$ *M* = 162,14 g/mol	WG. *2935*	10 g	49,75	42,30	39,80	37,30
	Benzoguanamine see 2,4-Diamino-6-phenyl-1,3,5-triazine						
116 .1/81G .1 2811 3	**Benzohydrazide** PROSYNTH® *Benzohydrazide / Benzohidracida* $C_6H_5CONHNH_2$ $C_7H_8N_2O$ *M* = 136,15 g/mol assay (ex N) ..... 98% melting range ..... 112–114 °C	PF. *2929*	100 g	30,75	26,15	24,60	23,05
3047	**Benzoic acid** R. G., Reag. ACS, Reag. Ph. Eur. I *Acide benzoïque / Acido benzóico* C_6H_5COOH $C_7H_6O_2$ *M* = 122,12 g/mol assay ..... min. 99,9% melting range ..... 121–123 °C sulphated ash ..... max. 0,005% iron (Fe) ..... max. 0,0002% heavy metals (as Pb) ..... max. 0,0005% sulphate (SO_4) ..... max. 0,002% halogen compounds (as Cl) ..... max. 0,005% sulphuric acid compounds (as S) ..... max. 0,002% oxidizable impurities ..... passes test	PF. PF. PF. *2914*	100 g 250 g 1 kg	8,75 17,50 49,50	7,45 14,90 42,10	7,– 14,– 39,60	6,55 13,15 38,10
33045	**Benzoic acid** for calorimetrical determination, about 6320 cal/g ≙ 26461 I/g *Acide benzoïque / Acido benzóico* C_6H_5COOH $C_7H_6O_2$ *M* = 122,12 g/mol measuring insecurity ..... ±40 I/g (conversion: 1 cal ≙ 4,186 I)	PF. *2914*	100 g	32,–	27,20	25,60	24,–
18102	**Benzoic acid** powder DAB 8 *Acide benzoïque / Acido benzóico* C_6H_5COOH $C_7H_6O_2$ *M* = 122,12 g/mol assay ..... 99,5% melting range ..... 121–123 °C sulphated ash ..... 0,05% heavy metals (as Pb) ..... 0,002% sulphate (SO_4) 0,01%	PF. PF. PF. S. *2914*	500 g 1 kg 2,5 kg 25 kg	12,75 18,50 40,– price on request	10,85 15,75 33,20	10,20 14,80 31,20	9,80 14,25 30,–
	Benzoic acid anilide see Benzanilide						
	Benzoic acid hydrazide see Benzohydrazide						
	Benzoic acid hydroxamide see Benzhydroxamic acid						
62115	**Benzoic anhydride** PROSYNTH® *Anhydride benzoïque / Anhídridro benzóico* $(C_6H_5CO)_2O$ $C_{14}H_{10}O_3$ *M* = 226,23 g/mol assay ..... 98% melting range ..... 40–43 °C	PF. *2914*	500 g	88,50	75,25	70,80	68,15
15249	**Benzoin** *Benzoïne / Benzoina* $C_6H_5CHOHCOC_6H_5$ $C_{14}H_{12}O_2$ *M* = 212,25 g/mol	WG. WG. *2913*	250 g 1 kg	23,25 71,50	19,75 60,80	18,60 57,20	17,45 55,05

CHROMASOLV® solvents for chromatography

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	9 (16 B
33049	**α-Benzoinoxime** R. G. *α-Benzoïnoxime / α-Benzoinoxima* $C_6H_5C(NOH)CH(OH)C_6H_5$ $C_{14}H_{13}NO_2$ $M = 227{,}26$ g/mol melting range ..... 153—155 °C insoluble in ethanol ..... max. 0,01 % sulphated ash ..... max. 0,2 % suitability for determination of copper ..... passes test	WG. *2929*	25 g	17,25	14,65	13,80	12
60049 A 6.1/11 C 6.1 2224 2 +70 °C	**Benzonitrile** PROSYNTH® *Benzonitrile / Benzonitrilo* C_6H_5CN C_7H_5N $M = 103{,}12$ g/mol **1 L ≈ 1,00 kg** assay (GC) ..... 99 % boiling range ..... 189—191 °C refractive index (n_D^{20}) ..... 1,529 R: 20/21/22 S: 28 disposal: 15	FL. FL. *2927*	250 ml 1 L	14,— 36,75	11,90 31,25	11,20 29,40	10 28
60050	**Benzophenone** PROSYNTH® *Benzophénone / Benzofenona* $C_6H_5COC_6H_5$ $C_{13}H_{10}O$ $M = 182{,}22$ g/mol assay (GC) ..... 99 % melting range ..... 47—49 °C	PF. PF. *2913*	250 g 1 kg	23,50 75,—	20,— 63,75	18,80 60,—	17, 57,
	2-Benzophenonecarboxylic acid see 2-Benzoylbenzoic acid						
64296	**Benzophenone hydrazone** PROSYNTH® *Benzophénonehydrazone / Benzofenona hidrazona* $(C_6H_5)_2C=NNH_2$ $C_{13}H_{12}N_2$ $M = 196{,}25$ g/mol assay ..... 98 % melting range ..... 97—99 °C	WG. *2929*	50 g	27,25	23,15	21,80	20,4
	Benzopinacol see Tetraphenylethanediol-(1,2)						
33954	**Benzopurpurine 6 B** for microscopy (C. I. No. 25660, S. No. 451) *Benzopurpurine 6 B / Benzopurpurina 6 B* $(NaO_3S)_2HOC_{10}H_4N=NC_{10}H_3(OH)_2(SO_3Na)_2$ $C_{34}H_{26}N_6Na_2O_6S_2$ $M = 724{,}73$ g/mol	WG. *3205*	25 g	12,—	10,20	9,60	9,—
	Benzopyrazole see 1H-Indazole						
63932 A 6.1 C 6.1 2811 2	**Benzo[α]pyrene** PROSYNTH® *Benzo[α]pyrène / Benzo[α]pireno* $C_{20}H_{12}$ $M = 252{,}31$ g/mol assay (UV) ..... 95 % melting range ..... 174—176 °C log $\varepsilon_{/384}$ (C_2H_5OH) ..... 4,438 R: 23/24/25 S: 44 disposal: 6	FL. *2901*	1 g	116,—	98,60	92,80	87,—
63726	**Benzo[α]pyridazine** PROSYNTH® *Benzo[α]pyridazine / Benzo[α]piridacina* $C_6H_4CH=NN=CH$ $C_8H_6N_2$ $M = 130{,}15$ g/mol assay (GC) ..... 98 % melting range ..... 89—91 °C	WG. *2935*	5 g	50,50	42,95	40,40	37,90
	3,4-Benzopyridine see Isoquinoline						
	5,6-Benzoquinoline see β-Naphthoquinoline						

Number ADR L/GGVS L-CODE (GGVSee)	Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
6 22 2811 3	**1,4-Benzoquinone** *1-4-Benzoquinone / 1,4-Benzoquinona* $O=C_6H_4=O$ $C_6H_4O_2$ $M = 108{,}10$ g/mol assay ..... 99% melting range ..... 113–115 °C melting range ..... 113–115 °C sulphated ash ..... 0,1% iron (Fe) ..... 0,001% heavy metals (as Pb) ..... 0,001% R: 23/25-36/37/38 S: 26-28-44 disposal: 6	WG. WG. *2913*	100 g 1 kg	14,– 78,50	11,90 66,75	11,20 62,80	10,50 60,45
97 /21F 2810 2	**Benzothiazole** PROSYNTH® *Benzothiazole / Benzotiazol* C_7H_5NS $M = 135{,}19$ g/mol **1 L ≈ 1,25 kg** assay (GC) ..... 98% boiling range ..... 229–231 °C refractive index (n_D^{20}) 1,643	FL. *2935*	250 ml	29,50	25,10	23,60	22,15
051	**Benzotriazole** PROSYNTH® *Benzotriazole / Benzotriazol* $C_6H_4NHN=N$ $C_6H_5N_3$ $M = 119{,}13$ g/mol assay (ex N) ..... 99% melting range ..... 93–95 °C	PF. PF. *2935*	250 g 1 kg	47,– 156,–	39,95 132,60	37,60 124,80	35,25 120,10
2052 3/22 3 2226 2	**Benzotrichloride** PROSYNTH® *Benzotrichlorure / Benzotricloruro* $C_6H_5CCl_3$ $C_7H_5Cl_3$ $M = 195{,}48$ g/mol **1 L ≈ 1,37 kg** assay (GC) ..... 98% boiling range ..... 219–221 °C refractive index (n_D^{20}) ..... 1,558 R: 20 S: 24/25 disposal: 7	FL. *2902*	500 ml	16,–	13,60	12,80	12,30
1073 3/1A 3.2 2338 2 -12 °C	**Benzotrifluoride** PROSYNTH® *Benzotrifluorure / Benzotrifluoruro* $C_6H_5CF_3$ $C_7H_5F_3$ $M = 146{,}11$ g/mol **1 L ≈ 1,20 kg** assay (GC) ..... 99% boiling range ..... 100–102 °C refractive index (n_D^{20}) ..... 1,415 R: 11 S: 16-23 disposal: 7	FL. *2902*	500 ml	44,75	38,05	35,80	34,45
	Benzotron® see Sodium benzoate						
62124	**Benzoylacetone** PROSYNTH® *Benzoylacétone / Benzoílacetona* $C_6H_5COCH_2COCH_3$ $C_{10}H_{10}O_2$ $M = 162{,}19$ g/mol assay ..... 98% melting range ..... 54–57 °C	FL. *2913*	100 g	131,–	111,35	104,80	98,25
39099	**N^{α}-Benzoyl-L-argininamide hydrochloride monohydrate** (BAA) BIOSYNTH® *N^{α}-Benzoyl-L-argininamide chlorhydrate monohydrate (BAA) / N^{α}-Benzoil-L-argininamida clorhidrato monohidrato (BAA)* $NH_2C(=NH)NH(CH_2)_3CH(NHCOC_6H_5)CONH_2 \cdot HCl \cdot H_2O$ $C_{13}H_{20}ClN_5O_2 \cdot H_2O$ $M = 331{,}80$ g/mol assay (ex N) ..... 99% melting range ..... 123–126 °C	FL. *2926*	1 g	17,25	14,65	13,80	12,95

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	
39294	**N^{α}-Benzoyl-L-arginine** BIOSYNTH® *N^{α}-Benzyol-L-arginine / N^{α}-Benzoil-L-arginina* $NH_2C(=NH)NH(CH_2)_3CH_2CH(NHCOC_6H_5)COOH$ $C_{13}H_{18}N_4O_3$ $M = 278{,}31$ g/mol	FL. *2923*	1 g	10,50	8,95	8,40	
39052	**N^{α}-Benzoyl-L-arginine ethyl ester hydrochloride** (BAEE) BIOSYNTH® *Ethyle N^{α}-benzoyl-L-argininate chlorhydrate (BAEE) / Etilo N^{α}-benzoil-L-argininato clorhidrato (BAEE)* $NH_2C(=NH)NH(CH_2)_3CH(NHCOC_6H_5)COOC_2H_5 \cdot HCl$ $C_{15}H_{23}ClN_4O_3$ $M = 342{,}82$ g/mol melting range ..... 127—130 °C	WG. *2926*	10 g	100,—	85,—	80,—	7
62125	**2-Benzoylbenzoic acid** PROSYNTH® *Acide 2-benzoylbenzoïque / Acido 2-benzoilbenzóico* $C_6H_5COC_6H_4COOH$ $C_{14}H_{10}O_3$ $M = 226{,}23$ g/mol assay (alkalimetric) ..... 98% melting range ..... 127—129 °C	PF. *2916*	250 g	30,—	25,50	24,—	2
33052 A 8/22 C 8 1736 2 +72 °C	**Benzoyl chloride** R. G., Reag. ACS, Reag. Ph. Eur. I *Benzoyle chlorure / Benzoílo cloruro* C_6H_5COCl C_7H_5ClO $M = 140{,}57$ g/mol **1 L ≈ 1,21 kg** assay ..... min. 99% boiling range ..... 196—198 °C density (D_4^{20}) ..... 1,212—1,214 refractive index (n_D^{20}) ..... 1,5530—1,5550 non-volatile matter ..... max. 0,05% iron (Fe) ..... max. 0,001% heavy metals (as Pb) ..... max. 0,001% sulphur compounds (as SO_4) ..... max. 0,003% phosphorus compounds (as PO_4) ..... max. 0,002% R: 34 S: 26 disposal: 21	FL. FL. *2914*	500 ml 2,5 L	18,— 70,—	15,30 58,10	14,40 54,60	13 52
60054 A 8/22 C 8 1736 2 +72 °C	**Benzoyl chloride** PROSYNTH® *Benzoyle chlorure / Benzoílo cloruro* C_6H_5COCl C_7H_5ClO $M = 140{,}57$ g/mol **1 L ≈ 1,21 kg** assay (ex Cl) ..... 99% boiling range ..... 196—198 °C refractive index (n_D^{20}) ..... 1,553 R: 34 S: 26 disposal: 21	FL. FL. *2914*	500 ml 2,5 L	14,— 51,—	11,90 42,35	11,20 39,80	10, 38,
15215 A 8/22 C 8 1736 2 +72 °C	**Benzoyl chloride** pure *Benzoyle chlorure / Benzoílo cloruro* C_6H_5COCl C_7H_5ClO $M = 140{,}57$ g/mol **1 L ≈ 1,21 kg** assay ..... 98% boiling range ..... 195—198 °C density (D_4^{20}) ..... 1,210—1,215 refractive index (n_D^{20}) ..... 1,5520—1,5550 R: 34 S: 26 disposal: 21	FL. FL. STP. *2914*	500 ml 1 L 30 kg	13,50 24,75 kg	11,50 21,05 7,80	10,80 19,80	10, 19,
64789 A 6.1/21A C 6.1 2811 2	**Benzoyl cyanide** PROSYNTH® *Benzoyle cyanure / Benzoílo cianuro* C_8H_5COCN C_8H_5NO $M = 131{,}14$ g/mol assay (GC) ..... 98% melting range ..... 28—31 °C	WG. *2927*	50 g	34,50	29,35	27,60	25,

refer explanations

umber DR GGVS CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	Benzoyl formaldehyde oxime PROSYNTH® *Benzoylformaldéhyde-oxime / Benzoílo formaldoxima* $C_6H_5COCH=NOH$ $C_8H_7NO_2$ M = 149,15 g/mol assay (ex N) ..... 99% melting range ..... 123–125 °C keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	PF. *2929*	50 g	135,50	115,20	108,40	101,65
7 8B 2090 2	**Benzoyl peroxide** PROSYNTH® moistened with about 25% H_2O *Benzoyle peroxyde / Benzoílo peróxido* $(C_6H_5CO)_2O_2$ $C_{14}H_{10}O_4$ M = 242,23 g/mol assay (on dry substance) ..... 98% R: 3-36/37/38 S: 3-7/9-14-27-34-37/39 disposal: 16	PF. *2914*	500 g	32,50	27,65	26,–	25,05
97	**N-Benzoyl-DL-phenylanaline-2-naphthyl ester** BIOSYNTH® *2-Naphtyl-N-benzoyl-DL-phénylalaninate / 2-Naftilo-N-benzoil-DL-fenilalaninato* $C_6H_5CH_2CH(NHCOC_6H_5)COOC_{10}H_7$ $C_{26}H_{21}NO_3$ M = 395,46 g/mol	FL. *2923*	1 g	31,–	26,35	24,80	23,25
054	**N-Benzoyl-N-phenylhydroxylamine** R. G. *N-Benzoyl-N-phénylhydroxylamine / N-Benzoil-N-fenilhidroxilamina* $C_6H_5CON(OH)C_6H_5$ $C_{13}H_{11}NO_2$ M = 213,24 g/mol assay ..... min. 97,5% melting range ..... 120–122 °C loss on drying (105 °C) ..... max. 0,5% sulphated ash ..... max. 0,05%	WG. *2929*	10 g	39,25	33,35	31,40	29,45
1299 8/21D 8 1759 2	**3-Benzoylpropionic acid** PROSYNTH® *Acide benzoyl-3-propionique / Acido 3-benzoilpropiónico* $C_6H_5COCH_2CH_2COOH$ $C_{10}H_{10}O_3$ M = 178,19 g/mol assay (alkalimetric) ..... 97% melting range ..... 116–118 °C	WG. *2916*	50 g	52,–	44,20	41,60	39,–
4300	**2-Benzoylpyridine** PROSYNTH® *Benzoyl-2-pyridine / 2-Benzoilpiridina* $N=CHCH=CHCH=CCOC_6H_5$ $C_{12}H_9NO$ M = 183,21 g/mol assay (GC) ..... 98% melting range ..... 41–43 °C	WG. *2935*	50 g	36,–	30,60	28,80	27,–
62329	**3-Benzoylpyridine** PROSYNTH® *3-Benzoylpyridine / 3-Benzoilpiridina* $C_{12}H_9NO$ M = 183,21 g/mol assay (GC) ..... 98% melting range ..... 39–42 °C	WG. *2935*	25 g	28,75	24,45	23,–	21,55
62391	**4-Benzoylpyridine** PROSYNTH® *4-Benzoylpyridine / 4-Benzoilopiridina* $N=CHCH=C(COC_6H_5)CH=CH$ $C_{12}H_9NO$ M = 183,21 g/mol assay (GC) ..... 98% melting range ..... 68–70 °C	WG. *2935*	25 g	13,25	11,25	10,60	9,95
62129	**2-Benzoylthiophene** PROSYNTH® *2-Benzoylthiophène / 2-Benzoiltiofeno* $C_{11}H_8OS$ M = 188,25 g/mol assay (GC) ..... 97% melting range ..... 54–56 °C	WG. *2931*	10 g	12,–	10,20	9,60	9,–

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61218	**Benzoyl-1,1,1-trifluoroacetone** PROSYNTH® *Benzoyl-1-1-1-trifluoroacétone / Benzoilo-1,1,1-trifluoroacetona* $C_6H_5COCH_2COCF_3$ $C_{10}H_7F_3O_2$ $M = 216{,}16$ g/mol; assay (GC) 98%; melting range 37–38 °C	WG.	† 10 g	36,—	32,05		
		WG.	100 g	65,—	55,25	52,—	4
		2913					
60473 A 3/4 +98 °C	**Benzyl acetate** PROSYNTH® *Benzyle acétate / Bencilo acetato* $CH_3COOCH_2C_6H_5$ $C_9H_{10}O_2$ $M = 150{,}18$ g/mol; 1 L ≈ 1,06 kg; assay (GC) 99%; boiling range (at 16 mbar) 94–96 °C; refractive index (n_D^{20}) 1,503	FL.	500 ml	19,75	16,80	15,80	15
		FL.	2,5 L	76,50	63,50	59,65	57
		2914					
62130	**Benzylacetone** PROSYNTH® *Benzylacétone / Bencilacetona* $C_6H_5CH_2CH_2COCH_3$ $C_{10}H_{12}O$ $M = 148{,}20$ g/mol; 1 L ≈ 0,98 kg; assay (GC) 98%; boiling range (at 13 mbar) 111–113 °C; refractive index (n_D^{20}) 1,512	FL.	250 ml	32,75	27,85	26,20	24,
		2913					
33055 +96 °C	**Benzyl alcohol** R. G., Reag. Ph. Eur. I *Alcool benzylique / Alcohol bencílico* $C_6H_5CH_2OH$ C_7H_8O $M = 108{,}14$ g/mol; 1 L ≈ 1,04 kg; assay (GC) min. 99,5%; boiling range 204–207 °C; density (D_4^{20}) 1,043–1,046; refractive index (n_D^{20}) 1,5380–1,5400; water (acc. to Karl Fischer) max. 0,1%; sulfated ash max. 0,005%; free acid (as C_6H_5COOH) max. 0,01%; iron (Fe) max. 0,0001%; heavy metals (as Pb) max. 0,0001%; benzaldehyde max. 0,1%; chlorated compounds (as Cl) max. 0,001%; peroxides (as H_2O_2) max. 0,001%; R: 20/22 S: 26; disposal: 6	FL.	250 ml	14,—	11,90	11,20	10,
		FL.	1 L	41,—	34,85	32,80	31,
		2905					
24122 +96 °C	**Benzyl alcohol** pure DAC *Alcool benzylique / Alcohol bencílico* $C_6H_5CH_2OH$ C_7H_8O $M = 108{,}14$ g/mol; 1 L ≈ 1,04 kg; assay (GC) 99,8%; boiling range 204–207 °C; density (D_4^{20}) 1,043–1,046; refractive index (n_D^{20}) 1,5380–1,5400; non-volatile matter 0,01%; sulphated ash 0,01%; free acid (as benzoic acid) 0,01%; heavy metals (as Pb) 0,001%; benzaldehyde (GC) 0,05%; chlorated compounds (as Cl) 0,002%; R: 20/22 S: 26; disposal: 6	FL.	1 L	32,25	27,40	25,80	24,8
		FL.	2,5 L	68,—	56,45	53,05	51,—
		EKL.	35 kg	kg	11,90		
		EKL.	5x	kg	11,30		
		EKL.	10x	kg	10,90		
		F.	200 kg	kg	10,70		
		2905					
60057 A 8/35 C 8 1760 2	**Benzylamine** PROSYNTH® *Benzylamine / Bencilamina* $C_6H_5CH_2NH_2$ C_7H_9N $M = 107{,}15$ g/mol; 1 L ≈ 0,98 kg; assay (GC) 99%; boiling range 184–185 °C; refractive index (n_D^{20}) 1,542; R: 34 S: 26; disposal: 19	FL.	500 ml	31,50	26,80	25,20	24,25
		2922					

refer explanations

umber R GGVS CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	2-Benzylaminoethanol PROSYNTH® *Benzylamino-2-éthanol / 2-Bencilaminoetanol* $C_6H_5CH_2NHCH_2CH_2OH$ $C_9H_{13}NO$ $M = 151{,}21$ g/mol **1 L ≈ 1,05 kg** assay (GC) ..... 98% boiling range (at 16 mbar) ..... 153–156 °C refractive index (n_D^{20}) 1,543	FL. *2923*	250 ml	38,25	32,50	30,60	28,70
3	**2-Benzylaminopyridine** PROSYNTH® *2-Benzylaminopyridine / 2-Bencilaminopiridina* $N{=}CHCH{=}CHCH{=}CNHCH_2C_6H_5$ $C_{12}H_{12}N_2$ $M = 184{,}24$ g/mol assay (ex N) ..... 98% melting range ..... 93–94 °C	WG. *2935*	100 g	33,25	28,25	26,60	24,95
1	○ **Benzyl benzoate** DAC, U. S. P. XIX *Benzyle benzoate / Bencilo benzoato* $C_6H_5COOCH_2C_6H_5$ $C_{14}H_{12}O_2$ $M = 212{,}25$ g/mol **1 L ≈ 1,11 kg** assay ..... 99,5% congealing point ..... 18 °C density (D_{20}^{20}) ..... 1,116–1,120 refractive index (n_D^{20}) ..... 1,5680–1,5700 sulphated ash ..... 0,01% heavy metals (as Pb) ..... 0,001% R: 22 S: 25 disposal: 6	FL. EKL. *2914*	1 L 35 kg	30,75 price on request	26,15	24,60	23,70
02 1/61K 1760 2	**Benzyl bromide** PROSYNTH® *Benzyle bromure / Bencilo bromuro* $C_6H_5CH_2Br$ C_7H_7Br $M = 171{,}04$ g/mol **1 L ≈ 1,44 kg** assay (GC) ..... 99% boiling range (at 15 mbar) ..... 77–80 °C refractive index (n_D^{20}) ..... 1,575 R: 36/37/38 S: 39 disposal: 21	FL. *2902*	250 ml	42,—	35,70	33,60	31,50
	Benzyl bromide see also 2-Bromotoluene						
198 6.1/61H 6.1 2810 2	**Benzyl bromoacetate** PROSYNTH® *Benzyle bromoacétate / Bencilo bromoacetato* $BrCH_2COOCH_2C_6H_5$ $C_9H_9BrO_2$ $M = 229{,}07$ g/mol **1 L ≈ 1,46 kg** assay (GC) ..... 97% boiling range (at 0,1 mbar) ..... 97–99 °C refractive index (n_D^{20}) ..... 1,545 R: 26/27/28 S: 7/9-26-45 disposal: 7	FL. *2914*	100 ml	29,50	25,10	23,60	22,15
0058 6.1/61K 8 1738 2 60 °C	**Benzyl chloride** PROSYNTH® *Benzyle chlorure / Bencilo cloruro* $C_6H_5CH_2Cl$ C_7H_7Cl $M = 126{,}59$ g/mol **1 L ≈ 1,10 kg** assay (GC) ..... 99% boiling range ..... 178–179 °C refractive index (n_D^{20}) ..... 1,539 R: 36/37/38 S: 39 disposal: 21	FL. FL. *2902*	500 ml 2,5 L	11,50 42,—	9,80 34,85	9,20 32,75	8,85 31,50

HYDRANAL® a new Karl Fischer reagent

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	
60416 A 6.1/4B C 8 1739 1	**Benzyl chloroformate solution** 50% in toluene PROSYNTH® *Benzyle chloroformiate en solution / Bencilo cloroformiato en solución* $ClCOOCH_2C_6H_5$ $C_8H_7ClO_2$ M = 170,60 g/mol 1 L ≈ 1,03 kg assay (GC) ..... 50% keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 11-36/37/38 S: 16-26-29 disposal: 7	FL. *2914*	200 ml	31,25	26,55	25,—	
60059 A 6.1/21A C 6.1 2470 3	**Benzyl cyanide** PROSYNTH® *Benzyle cyanure / Bencilo cianuro* $C_6H_5CH_2CN$ C_8H_7N M = 117,15 g/mol 1 L ≈ 1,02 kg assay (GC) ..... 98% boiling range ..... 231—233 °C refractive index (n_D^{20}) 1,523	FL. FL. *2927*	500 ml 2,5 L	23,50 95,50	20,— 79,25	18,80 74,50	18 7
39240	**S-Benzyl-L-cysteine** BIOSYNTH® *S-Benzyl-L-cystéine / S-Bencil-L-cisteína* $C_6H_5CH_2SCH_2CH(NH_2)COOH$ $C_{10}H_{13}NO_2S$ M = 211,28 g/mol	WG. *2931*	25 g	109,—	92,65	87,20	81
63252 A 8/35 C 3.3 2619 3 +54 °C	**N-Benzyldimethylamine** PROSYNTH® *N-Benzyldiméthylamine / N-Bencildimetilamina* $C_6H_5CH_2N(CH_3)_2$ $C_9H_{13}N$ M = 135,20 g/mol 1 L ≈ 0,90 kg assay (GC) ..... 99% boiling range ..... 180—181 °C refractive index (n_D^{20}) 1,502	FL. *2922*	100 ml	10,—	8,50	8,—	7
64480	**Benzyldimethylhexadecylammonium chloride** PROSYNTH® *Benzyldiméthylhexadécylammonium chlorure / Bencildimetilhexadecilamonio cloruro* $CH_3(CH_2)_{15}N(Cl)(CH_3)_2CH_2C_6H_5 \cdot H_2O$ $C_{25}H_{46}ClN \cdot H_2O$ M = 414,11 g/mol assay (ex Cl) 97%	WG. *2924*	25 g	17,—	14,45	13,60	12,
64562	**Benzyldimethyltetradecylammonium chloride** PROSYNTH® *Benzyldiméthyltétradécylammonium chlorure / Bencildimetiltetradecilamonio cloruro* $CH_3(CH_2)_{13}N(Cl)(CH_3)_2CH_2C_6H_5$ $C_{23}H_{42}ClN$ M = 368,04 g/mol asssay (ex Cl) ..... 99% melting range ..... 62—64 °C	WG. *2924*	10 g	25,25	21,45	20,20	18,
	Benzyl ether see Dibenzyl ether						
61401 A 6.1/61F C 8 1760 2	**Benzyl fluoroformate** PROSYNTH® *Benzyle fluoroformiate / Bencilo fluoroformiato* $FCOOCH_2C_6H_5$ $C_8H_7FO_2$ M = 154,14 g/mol 1 L ≈ 1,10 kg R: 23/24/25 S: 44 disposal: 7	FL. *2914*	50 ml	156,—	132,60	124,80	117,—
63253 A 3/3 C 3.3 1992 2 +42 °C	**Benzyl formate** PROSYNTH® *Benzyle formiate / Bencilo formiato* $HCOOCH_2C_6H_5$ $C_8H_8O_2$ M = 136,15 g/mol 1 L ≈ 1,09 kg assay (GC) ..... 96% boiling range ..... 202—204 °C refractive index (n_D^{20}) ..... 1,512 R: 10 disposal: 6	FL. *2914*	500 ml	80,50	68,45	64,40	62,—

refer explanations

Number DR /GGVS -CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	γ-Benzyl L-glutamate BIOSYNTH® *γ-Benzyle L-glutamiate / γ-Bencilo L-glutamiato* $HOOCCH(NH_2)CH_2CH_2COOCH_2C_6H_5$ $C_{12}H_{15}NO_4$ $M = 237{,}25$ g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	FL. *2923*	1 g	13,—	11,05	10,40	9,75
32	**Benzylideneacetone** PROSYNTH® *Benzylidène acétone / Bencilidenacetona* $C_6H_5CH=CHCOCH_3$ $C_{10}H_{10}O$ $M = 146{,}19$ g/mol assay (GC) ..... 98 % melting range ..... 39—40 °C	WG. *2913*	250 g	18,—	15,30	14,40	13,50
33	**Benzylideneacetophenone** PROSYNTH® *Benzylidène acétophénone / Bencilidenacetofenona* $C_6H_5CH=CHCOC_6H_5$ $C_{15}H_{12}O$ $M = 208{,}26$ g/mol assay (GC) ..... 98 % melting range ..... 54—56 °C	PF. *2913*	100 g	25,25	21,45	20,20	18,95
544	**Benzylmalonic acid** PROSYNTH® *Acide benzylmalonique / Acido bencilmalónico* $C_6H_5CH_2CH(COOH)_2$ $C_{10}H_{10}O_4$ $M = 194{,}19$ g/mol assay (alkalimetric) ..... 98 % melting range ..... 117—120 °C	WG. *2915*	10 g	18,75	15,95	15,—	14,05
254	**Benzyl-DL(±)-mandelate** PROSYNTH® *Benzyle DL(±)-mandélate / Bencilo DL(±)-amigdalato* $C_6H_5CH(OH)COOCH_2C_6H_5$ $C_{15}H_{14}O_3$ $M = 242{,}27$ g/mol assay (GC) ..... 99 % melting range ..... 94—96 °C	WG. *2916*	100 g	31,50	26,80	25,20	23,65
2135 3/4 °C	**Benzylmercaptan** PROSYNTH® *Benzylmercaptan / Bencilmercaptano* $C_6H_5CH_2SH$ C_7H_8S $M = 124{,}21$ g/mol **1 L ≈ 1,05 kg** assay (GC) ..... 99 % boiling range ..... 194—195 °C refractive index (n_D^{20}) 1,575	FL. *2931*	100 ml	19,25	16,35	15,40	14,45
2136 3/3 3.3 1993 2 -53 °C	**N-Benzylmethylamine** PROSYNTH® *N-Benzylméthylamine / N-Bencilmetilamina* $C_6H_5CH_2NHCH_3$ $C_8H_{11}N$ $M = 121{,}18$ g/mol **1 L ≈ 0,94 kg** assay (GC) ..... 98 % boiling range ..... 184—186 °C refractive index (n_D^{20}) ..... 1,522 R: 10-36/37/38 S: 28 disposal: 19	FL. *2922*	250 ml	30,—	25,50	24,—	22,50
62137 A 3/4 +85 °C	**Benzyl methyl ketone** PROSYNTH® *Benzylméthylcétone / Bencilmetilcetona* $C_6H_5CH_2COCH_3$ $C_9H_{10}O$ $M = 134{,}18$ g/mol **1 L ≈ 1,02 kg** assay (GC) ..... 98 % boiling range ..... 214—216 °C refractive index (n_D^{20}) 1,516	FL. *2913*	250 ml	49,75	42,30	39,80	37,30
63255	**Benzyl nicotinate** PROSYNTH® *Benzyle nicotinate / Bencilo nicotinato* $CH=CHCH=NCH=CCOOCH_2C_6H_5$ $C_{13}H_{11}NO_2$ $M = 213{,}24$ g/mol **1 L ≈ 1,16 kg** assay (GC) ..... 99 % refractive index (n_D^{20}) 1,569	PF. *2935*	100 ml	56,—	47,60	44,80	42,—

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63256	**4-Benzyloxyanilinium chloride** PROSYNTH® *4-Benzyloxyanilinium chlorure / 4-Benciloxianilinio cloruro* $C_6H_5CH_2OC_6H_4NH_2 \cdot HCl$ $C_{13}H_{14}ClNO$ $M = 235{,}71$ g/mol assay ..... 97% melting range ..... 227–229 °C	WG. *2923*	50 g	36,—	30,60	28,80
39053	**N-Benzyloxycarbonyl-L-alanine** BIOSYNTH® *N-Benzyloxycarbonyl-L-alanine / N-Benciloxicarbonil-L-alanina* $CH_3CH(NHCOOCH_2C_6H_5)COOH$ $C_{11}H_{13}NO_4$ $M = 223{,}23$ g/mol assay (ex N) ..... 99% melting range ..... 83–85 °C specific rotation ($[\alpha]_D^{20}$; c = 2 in CH_3COOH) .. −15° ± 1°	WG. *2925*	10 g	35,25	29,95	28,20
39061	**N^{α}-Benzyloxycarbonyl-L-arginine** BIOSYNTH® *N^{α}-Benzyloxycarbonyl-L-arginine / N^{α}-Benciloxicarbonil-L-arginina* $NH=C(NH_2)NH(CH_2)_3CH(NHCOOCH_2C_6H_5)COOH$ $C_{14}H_{20}N_4O_4$ $M = 308{,}34$ g/mol assay (ex N) ..... 99% specific rotation ($[\alpha]_D^{20}$; c = 5 in HCl 1 mol/l) −9,0° ± 1°	WG. *2926*	10 g	21,50	18,30	17,20
39238	**N-Benzyloxycarbonyl-L-asparagine** BIOSYNTH® *N-Benzyloxycarbonyl-L-asparagine / N-Benciloxicarbonil-L-asparagina* $NH_2COCH_2CH(NHCOOCH_2C_6H_5)COOH$ $C_{12}H_{14}N_2O_5$ $M = 266{,}25$ g/mol	WG. *2925*	5 g	12,50	10,65	10,—
39239	**N-Benzyloxycarbonyl-L-asparagine-4-nitrophenylester** BIOSYNTH® *N-Benzyloxycarbonyl-L-asparagine-4-nitrophénylester / N-Benciloxicarbonil-L-asparagina-4-nitrofenilester* $NH_2COCH_2CH(NHCOOCH_2C_6H_5)COOC_6H_4NO_2$ $C_{18}H_{17}N_3O_7$ $M = 387{,}35$ g/mol	FL. WG. *2925*	1 g 50 g	15,50 305,—	13,20 259,25	12,40 244,—
39241	**N-Benzyloxycarbonyl-S-benzyl-L-cysteine** BIOSYNTH® *N-Benzyloxycarbonyl-S-benzyl-L-cystéine / N-Benciloxicarbonil-S-bencil-L-cisteína* $C_6H_5CH_2SCH_2CH(NHCOOCH_2C_6H_5)COOH$ $C_{18}H_{19}NO_4S$ $M = 345{,}42$ g/mol	WG. WG. *2931*	5 g 100 g	23,— 252,—	19,55 214,20	18,40 201,60
39254	**N-Benzyloxycarbonyl-O-*tert.*-butyl-L-serine dicyclohexylammonium salt** BIOSYNTH® *N-Benzyloxycarbonyl-O-tert.-butyl-L-sérine, sel de dicyclohexylammonium / N-Benciloxicarbonil-O-tert.-butil-L-serina, sal diciclohexilamónica* $(CH_3)_3COCH_2CH(NHCOOCH_2C_6H_5)COOH \cdot C_{12}H_{23}N$ $C_{15}H_{21}NO_5 \cdot C_{12}H_{23}N$ $M = 476{,}66$ g/mol	FL. WG. *2925*	1 g 50 g	31,75 676,—	27,— 574,60	25,40 540,80
39255	**N-Benzyloxycarbonyl-O-*tert.*-butyl-L-threonine dicyclohexylammonium salt** BIOSYNTH® *N-Benzyloxycarbonyl-O-tert.-butyl-L-thréonine, sel de dicyclohexylammonium / N-Benciloxicarbonil-O-terc.-butil-L-treonina, sal diciclohexilamónica* $(CH_3)_3COCH(CH_3)CH(NHCOOCH_2C_6H_5)COOH \cdot C_{12}H_{23}N$ $C_{16}H_{23}NO_5 \cdot C_{12}H_{23}N$ $M = 490{,}68$ g/mol	FL. WG. *2925*	1 g 50 g	31,75 676,—	27,— 574,60	25,40 540,80
39256	**N-Benzyloxycarbonyl-O-*tert.*-butyl-L-tyrosine dicyclohexylammonium salt** BIOSYNTH® *N-Benzyloxycarbonyl-O-tert.-butyl-L-tyrosine, sel de dicyclohexylammonium / N-Benciloxicarbonil-O-terc.-butil-L-tirosina, sal diciclohexilamónica* $(CH_3)_3COC_6H_4CH_2CH(NHCOOCH_2C_6H_5)COOH \cdot C_{12}H_{23}N$ $C_{12}H_{25}NO_5 \cdot C_{12}H_{23}N$ $M = 444{,}65$ g/mol	FL. WG. *2925*	1 g 50 g	29,50 641,—	25,10 544,85	23,60 512,80

refer explanations

Number / OR / GGVS / CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	N^{α}-Benzyloxycarbonyl-N^{γ}-(4,4'-dimethoxybenzhydril)-L-glutamine BIOSYNTH® *N^{α}-Benzyloxycarbonyl-N^{γ}-(4-4'-diméthoxybenzhydrile-L-glutamine / N^{α}-Benciloxicarbonil-N^{γ}-(4,4'-dimetoxibenzhidril)-- L-glutamina* $NH(C_{15}H_{17}O_2)COCH_2CH_2CH(NHCOOCH_2C_6H_5)COOH$ $C_{28}H_{32}N_2O_7$ $M = 508{,}57$ g/mol	WG. 2925	5 g	50,50	42,95	40,40	37,90
6	**N-Benzyloxycarbonyl-L-glutamic acid** BIOSYNTH® *Acide N-benzyloxycarbonyl-L-glutamique / Acido N-benciloxicarbonil-L-glutámico* $HOOCCH_2CH_2CH(NHCOOCH_2C_6H_5)COOH$ $C_{13}H_{15}NO_6$ $M = 281{,}26$ g/mol assay (ex N) ..... 99% melting range ..... 118—120 °C specific rotation ($[\alpha]_D^{20}$; c = 8 in CH_3COOH) . −8,0° ± 1°	WG. 2925	10 g	20,25	17,20	16,20	15,20
47	**N-Benzyloxycarbonyl-L-glutamic acid *tert.*-butyl ester dicylohexylammonium salt** BIOSYNTH® *Acide N-benzyloxycarbonyl-L-glutamique tert.-butylester, sel de dicyclohexylammonium / Acido N-benciloxicarbonil-L-glutámico-terc.-butilester, sal diciclohexilamónica* $C_{17}H_{23}NO_6 \cdot C_{12}H_{23}N$ $M = 518{,}69$ g/mol	FL. PF. 2925	1 g 50 g	12,75 379,—	10,85 322,15	10,20 303,20	9,55 284,25
054	**N-Benzyloxycarbonyl-L-glutamine** BIOSYNTH® *N-Benzyloxycarbonyl-L-glutamine / N-Benciloxicarbonil-L-glutamina* $NH_2COCH_2CH_2CH(NHCOOCH_2C_6H_5)COOH$ $C_{13}H_{16}N_2O_5$ $M = 280{,}28$ g/mol assay (ex N) ..... 99% melting range ..... 133—135 °C specific rotation ($[\alpha]_D^{20}$; c = 2 in C_2H_5OH) ... −7,0° ± 1°	WG. 2925	10 g	23,75	20,20	19,—	17,80
244	**N-Benzyloxycarbonyl-L-glutamine-*tert.*-butyl ester** BIOSYNTH® *N-Benzyloxycarbonyl-L-glutamine-tert.-butylester / N-Benciloxicarbonil-L-glutamina-terc.-butilester* $NH_2COCH_2CH_2CH(NHCOOCH_2C_6H_5)COOC(CH_3)_3$ $C_{17}H_{24}N_2O_5$ $M = 336{,}39$ g/mol	FL. WG. 2925	1 g 50 g	28,25 573,—	24,— 487,05	22,60 458,40	21,20 429,75
9243	**N-Benzyloxycarbonyl-L-glutamine-4-nitrophenyl ester** BIOSYNTH® *N-Benzyloxycarbonyl-L-glutamine-4-nitrophénylester / N-Benciloxicarbonil-L-glutamina-4-nitrofenil ester* $NH_2COCH_2CH_2CH(NHCOOCH_2C_6H_5)COOC_6H_4NO_2$ $C_{19}H_{19}N_3O_7$ $M = 401{,}38$ g/mol	FL. WG. 2925	1 g 50 g	17,25 298,—	14,65 253,30	13,80 238,40	12,95 223,50
39055	**N-Benzyloxycarbonyl-L-glutamyl-L-phenylalanine** BIOSYNTH® *N-Benzyloxycarbonyl-L-glutamyl-L-phénylalanine / N-Benciloxicarbonil-L-glutamil-L-fenilalanina* ampoule of 250 mg $C_{22}H_{24}N_2O_7$ $M = 428{,}44$ g/mol	2925	1 pack	33,25	28,25	26,60	24,95
39057	**N-Benzyloxycarbonyl-L-glutamyl-L-tyrosine** BIOSYNTH® *N-Benzyloxycarbonyl-L-glutamyl-L-tyrosine / N-Benciloxicarbonil-L-glutamil-L-tirosina* ampoule of 250 mg $HOOCCH_2CH_2CH(NHCOOCH_2C_6H_5)CONHCH(CH_2C_6H_4OH)COOH$ $C_{22}H_{24}N_2O_8$ $M = 444{,}44$ g/mol	2925	1 pack	35,75	30,40	28,60	26,80
39058	**N-Benzyloxycarbonylglycine** BIOSYNTH® *N-Benzyloxycarbonylglycine / N-Benciloxicarbonilglicina* $C_6H_5CH_2OCONHCH_2COOH$ $C_{10}H_{11}NO_4$ $M = 209{,}20$ g/mol assay (ex N) ..... 99% melting range ..... 118—120 °C	WG. 2925	25 g	41,50	35,30	33,20	31,15

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	
39248	**N^{α}-Benzyloxycarbonyl-L-histidine hydrazide** BIOSYNTH® *N^{α}-Benzyloxycarbonyl-L-histidine hydrazide / N^{α}-Benciloxicarbonil-L-histidina hidracida* $NHCH=NCH=CCH_2CH(NHCOOCH_2C_6H_5)CONH-NH_2$ $C_{14}H_{17}N_5O_3$ M = 303,32 g/mol	WG. *2935*	5 g	25,—	21,25	20,—	
39249	**N-Benzyloxycarbonyl-L-*iso*-leucine dicyclohexylammonium salt** BIOSYNTH® *N-Benzyloxycarbonyl-L-iso-leucine, sel de dicyclohexylammonium / N-Benciloxicarbonil-L-iso-leucina, sal diciclohexilamónica* $CH_3CH_2CH(CH_3)CH(NHCOOCH_2C_6H_5)COOH \cdot C_{12}H_{23}N$ $C_{14}H_{19}NO_4 \cdot C_{12}H_{23}N$ M = 446,63 g/mol	WG. WG. *2925*	5 g 100 g	27,25 275,—	23,15 233,75	21,80 220,—	2 20
39250	**N-Benzyloxycarbonyl-L-leucine dicyclohexylammonium salt** BIOSYNTH® *N-Benzyloxycarbonyl-L-leucine sel de dicyclohexylammonium / N-Benciloxicarbonil-L-leucina sal diciclohexilamónica* $(CH_3)_2CHCH_2CH(NHCOOCH_2C_6H_5)COOH \cdot C_{12}H_{23}N$ $C_{14}H_{19}NO_4 \cdot C_{12}H_{23}N$ M = 446,63 g/mol	WG. *2925*	10 g	18,75	15,95	15,—	1
39059	**N^{ε}-Benzyloxycarbonyl-L-lysine** BIOSYNTH® *N^{ε}-Benzyloxycarbonyl-L-lysine / N^{ε}-Benciloxicarbonil-L-lisina* $C_6H_5CH_2OCONH(CH_2)_4CH(NH_2)COOH$ $C_{14}H_{20}N_2O_4$ M = 280,32 g/mol	WG. *2923*	10 g	37,—	31,45	29,60	27
39246	**N^{α}-Benzyloxycarbonyl-L-lysine** BIOSYNTH® *N^{α}-Benzyloxycarbonyl-L-lysine / N^{α}-Benciloxicarbonil-L-lisina* $NH_2(CH_2)_4CH(NHOCOCH_2C_6H_5)COOH$ $C_{14}H_{20}N_2O_4$ M = 280,32 g/mol	WG. *2925*	10 g	43,75	37,20	35,—	32
39062	**N-Benzyloxycarbonyl-L-phenylalanine** BIOSYNTH® *N-Benzyloxycarbonyl-L-phénylalanine / N-Benciloxicarbonil-L-fenilalanina* $C_6H_5CH_2CH(NHCOOCH_2C_6H_5)COOH$ $C_{17}H_{17}NO_4$ M = 299,33 g/mol assay (ex N) ..... 99% melting range ..... 86—88 °C specific rotation ($[\alpha]_D^{20}$; c = 1 in C_2H_5OH) ... +6,0° ± 1°	WG. *2925*	10 g	35,75	30,40	28,60	26,
39251	**N-Benzyloxycarbonyl-L-phenylalanine-2,4,5-trichlorophenyl ester** BIOSYNTH® *N.Benzyloxycarbonyl-L-phénylalanine-2-4-5-trichlorophénylester / N-Benciloxicarbonil-L-fenilalanina--2,4,5-triclorofenilester* $C_6H_5CH_2CH(NHCOOCH_2C_6H_5)COOC_6H_2Cl_3$ $C_{23}H_{18}Cl_3NO_4$ M = 478,76 g/mol	WG. WG. *2925*	5 g 100 g	41,50 402,—	35,30 341,70	33,20 321,60	31, 301,
39063	**N-Benzyloxycarbonyl-L-serine** BIOSYNTH® *N-Benzyloxycarbonyl-L-sérine / N-Benciloxicarbonil-L-serina* $HOCH_2CH(NHCOOCH_2C_6H_5)COOH$ $C_{11}H_{13}NO_5$ M = 239,23 g/mol assay (ex N) ..... 99% melting range ..... 113—115 °C specific rotation ($[\alpha]_D^{20}$; c = 6 in CH_3COOH) +5,8° ± 0,5°	WG. *2925*	5 g	23,—	19,55	18,40	17,2
39064	**N-Benzyloxycarbonyl-L-threonine** BIOSYNTH® *N-Benzyloxycarbonyl-L-thréonine / N-Benciloxicarbonil-L-treonina* $CH_3CH(OH)CH(NHCOOCH_2C_6H_5)COOH$ $C_{12}H_{15}NO_5$ M = 253,25 g/mol assay (ex N) ..... 99% melting range ..... 97—99 °C specific rotation ($[\alpha]_D^{20}$; c = 4 in CH_3COOH) −4,6° ± 0,5°	WG. *2925*	10 g	54,—	45,90	43,20	40,5

le-Number ID/ADR GVE/GGVS MDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
065	**N^{α}-Benzyloxycarbonyl-L-tryptophan** BIOSYNTH® *N^{α}-Benzyloxycarbonyl-L-tryptophane / N^{α}-Benciloxicarbonil-L-triptófano* $C_6H_4NHCH=CCH_2CH(NHCOOCH_2C_6H_5)COOH$ $C_{19}H_{18}N_2O_4$ M = 338,36 g/mol assay (ex N) ..... 99% melting range ..... 124—126 °C specific rotation ($[\alpha]_D^{20}$; c = 4 in CH_3COOH) +5,6° ±0,5°	WG. *2935*	10 g	32,25	27,40	25,80	24,20
066	**N-Benzyloxycarbonyl-L-tyrosine** BIOSYNTH® *N-Benzyloxycarbonyl-L-tyrosine / N-Benciloxicarbonil-L-tirosina* $C_{17}H_{17}NO_5$ M = 315,33 g/mol assay (ex N) ..... 99% melting range ..... 95—97 °C specific rotation ($[\alpha]_D^{20}$; c = 3 in CH_3COOH) . +9,8° ±1° keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	WG. *2925*	5 g	118,—	100,30	94,40	88,50
9067	**N-Benzyloxycarbonyl-L-valine** BIOSYNTH® *N-Benzyloxycarbonyl-L-valine / N-Benciloxicarbonil-L-valina* $(CH_3)_2CHCH(NHCOOCH_2C_6H_5)COOH$ $C_{13}H_{17}NO_4$ M = 251,28 g/mol assay (ex N) ..... 99% melting range ..... 59—60 °C	WG. *2925*	10 g	31,75	27,—	25,40	23,80
9258	**N-Benzyloxycarbonyl-L-valine dicyclohexylammonium salt** BIOSYNTH® *N-Benzyloxycarbonyl-L-valine sel de dicyclohexylammonium / N-Benciloxicarbonil-L-valina sal diciclohexilamónica* $(CH_3)_2CHCH(NHCOOCH_2C_6H_5)COOH \cdot C_{12}H_{23}N$ $C_{13}H_{17}NO_4 \cdot C_{12}H_{23}N$ M = 432,60 g/mol	WG. *2925*	5 g	31,25	26,55	25,—	23,45
9259	**N-Benzyloxycarbonyl-L-valine-2,4,5-trichlorophenyl ester** BIOSYNTH® *N-Benzyloxycarbonyl-L-valine-2-4-5-trichlorophénylester* *N-Benciloxicarbonil-L-valina-2,4,5-triclorofenilester* $(CH_3)_2CHCH(NHCOOCH_2C_6H_5)COOC_6H_2Cl_3$ $C_{19}H_{18}Cl_3NO_4$ M = 430,71 g/mol	WG. WG. *2925*	5 g 50 g	59,— 333,—	50,15 283,05	47,20 266,40	44,25 249,75
	4-Benzyloxyphenol see Hydroquinone monobenzyl ether						
4543 6.1/21 6.1 2811 2	**2-Benzylphenol** PROSYNTH® *2-Benzylphénol / 2-Bencilfenol* $C_6H_5CH_2C_6H_4OH$ $C_{13}H_{12}O$ M = 184,24 g/mol assay (GC) ..... 97% melting range ..... 50—52 °C	WG. *2906*	10 g	19,25	16,35	15,40	14,45
4533 6.1/22 6.1 2811 2	**4-Benzylphenol** PROSYNTH® *4-Benzylphénol / 4-Bencilfenol* $C_6H_5CH_2C_6H_4OH$ $C_{13}H_{12}O$ M = 184,24 g/mol assay (GC) ..... 95% melting range ..... 78—82 °C	WG. *2906*	10 g	18,50	15,75	14,80	13,90
9377	**Benzyl L-phenylalaninate hydrochloride** BIOSYNTH® *Benzyle L-phénylalaninate chlorhydrate / Bencilo L-fenilalaninato clorhidrato* $C_6H_5CH_2CH(NH_2)COOCH_2C_6H_5 \cdot HCl$ $C_{16}H_{18}ClNO_2$ M = 291,78 g/mol	FL. *2923*	1 g	15,50	13,20	12,40	11,65
3940	**N-Benzylpiperazine dihydrochloride** PROSYNTH® *N-Benzylpipérazine dichlorhydrate / N-Bencilpiperacina diclorhidrato* $C_6H_5CH_2NCH_2CH_2NHCH_2CH_2 \cdot 2HCl$ $C_{11}H_{18}Cl_2N_2$ M = 249,18 g/mol assay (ex Cl) 95%	WG. *2935*	10 g	43,75	37,20	35,—	32,80

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64305	**4-Benzylpiperidine** PROSYNTH® *Benzyl4-pipéridine / 4-Bencilpiperidina* $C\underline{H_2CH_2NHCH_2CH_2}CHCH_2C_6H_5$ $C_{12}H_{17}N$ M = 175,27 g/mol **1 L ≈ 0,98 kg** assay (GC) ..... 97 % boiling range ..... 277–279 °C refractive index (n_D^{20}) 1,538	FL. *2935*	**25 ml**	40,75	34,65	32,60
62138 A 3/4	**1-Benzylpiperidinone-(4)** PROSYNTH® *1-Benzylpipéridinone-(4) / 1-Bencilpiperidinona-(4)* $C_6H_5CH_2\underline{NCH_2CH_2COCH_2}CH_2$ $C_{12}H_{15}NO$ M = 189,26 g/mol **1 L ≈ 1,06 kg** assay (GC) ..... 97 % boiling range (at 9 mbar) ..... 132–134 °C refractive index (n_D^{20}) 1,539	FL. *2935*	**50 ml**	43,75	37,20	35,–
62139 A 3/4 100 °C	**Benzyl propyl ketone** PROSYNTH® *Benzylpropylcétone / Bencilpropilcetona* $C_6H_5CH_2COCH_2CH_2CH_3$ $C_{11}H_{14}O$ M = 162,23 g/mol **1 L ≈ 0,96 kg** assay (GC) ..... 98 %	FL. *2913*	**50 ml**	40,25	34,20	32,20
64790 A 3/4 100 °C	**Benzyl-*iso*-propyl ketone** PROSYNTH® *Benzyl-iso-propylcétone / Bencil-iso-propilcetona* $C_6H_5CH_2COCH(CH_3)_2$ $C_{11}H_{14}O$ M = 162,23 g/mol **1 L ≈ 0,97 kg** assay (GC) ..... 97 % boiling range ..... 235–237 °C	FL. *2913*	**25 ml**	35,50	30,20	28,40
62140	**2-Benzylpyridine** PROSYNTH® *2-Benzylpyridine / 2-Bencilpiridina* $\underline{N=C(CH_2C_6H_5)CH=CHCH=}CH$ $C_{12}H_{11}N$ M = 169,23 g/mol **1 L ≈ 1,05 kg** assay (GC) ..... 98 % boiling range (at 15 mbar) ..... 140–143 °C refractive index (n_D^{20}) 1,579	FL. *2935*	**100 ml**	36,25	30,80	29,–
62141	**4-Benzylpyridine** PROSYNTH® *4-Benzylpyridine / 4-Bencilpiridina* $\underline{N=CHCH=C(CH_2C_6H_5)CH=}CH$ $C_{12}H_{11}N$ M = 169,23 g/mol **1 L ≈ 1,06 kg** assay (GC) ..... 98 % boiling range ..... 285–287 °C refractive index (n_D^{20}) 1,582	FL. *2935*	**100 ml**	35,50	30,20	28,40
64530	**4(6)-Benzyl-2-thiouracil** PROSYNTH® *4(6)-Benzyle-2-thiouracile / 4(6)-Bencil-2-tiouracil* $\underline{N=C(SH)N=C(OH)CH=}CCH_2C_6H_5$ $C_{11}H_{10}N_2OS$ M = 218,28 g/mol	WG. *2935*	**25 g**	55,50	47,20	44,40
62142	**S-Benzyl-*iso*-thiouronium chloride** PROSYNTH® *S-Benzyl-iso-thiouronium chlorure / S-Bencil-iso-tiouronio cloruro* $NH_2C(SCH_2C_6H_5)=NH \cdot HCl$ $C_8H_{11}ClN_2S$ M = 202,71 g/mol assay (ex Cl) ..... 98 % melting range ..... 173–176 °C	WG. *2931*	**100 g**	18,75	15,95	15,–
64307	**Benzyltriethylammonium chloride** PROSYNTH® *Benzyltriéthylammonium chlorure / Benciltrietilamonio cloruro* $C_6H_5CH_2N(CH_2CH_3)_3Cl$ $C_{13}H_{22}ClN$ M = 227,78 g/mol assay (ex Cl) ..... 98 % melting range ..... 183–185 °C (disint.)	PF. *2924*	**250 g**	26,25	22,30	21,–

refer explanations

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32	**N-Benzyl-N,N,N-trimethylammonium bromide** *N-Benzyl-N-N-N-triméthylammonium bromure / N-Bencil-N,N,N-trimetilamonio bromuro* $[C_6H_5CH_2N^+(CH_3)_3]^+Br^-$ $C_{10}H_{16}BrN$ $M = 230{,}15$ g/mol assay ..... 98% melting range ..... 224—226 °C	WG. 2924	100 g	135,50	115,20	108,40	101,65
320	**Benzyltrimethylammonium chloride** PROSYNTH® *Benzyltriméthylammonium chlorure / Benciltrimetilamonio cloruro* $C_6H_5CH_2N(Cl)(CH_3)_3$ $C_{10}H_{16}ClN$ $M = 185{,}70$ g/mol assay (ex Cl) ..... 98% melting range ..... 234—236 °C (disint.)	WG. 2924	100 g	16,50	14,05	13,20	12,40
144 3/5 3.2 1992 2 11 °C	**Benzyltrimethylammonium hydroxide solution** PROSYNTH® about 40% in methanol *Benzyltriméthylammonium hydroxyde en solution / Benciltrimetilamonio hidróxido en solución* $C_6H_5CH_2N(OH)(CH_3)_3$ $C_{10}H_{17}NO$ $M = 167{,}25$ g/mol **1 L ≈ 0,93 kg** assay (acidimetric) ..... 40% water ..... 5% R: 11-23/25 S: 2-7-16-24 disposal: 18	FL. 2924	100 ml	14,75	12,55	11,80	11,05
4528 8/35 8 1719 2	**Benzyltrimethylammonium hydroxide solution** PROSYNTH® 40% in water *Benzyltriméthylammonium hydroxyde en solution / Benciltrimetilamonio hidróxido en solución* $C_6H_5CH_2N(OH)(CH_3)_3$ $C_{10}H_{17}NO$ $M = 167{,}25$ g/mol **1 L ≈ 1,07 kg** assay (acidimetric) ..... 40% R: 36/37/38 S: 26 disposal: 19	FL. 2924	100 ml	30,75	26,15	24,60	23,05
64485	**Benzyltriphenylphosphonium chloride** PROSYNTH® *Benzyltriphénylphosphonium chlorure / Benciltrifenilfosfonio cloruro* $C_6H_5CH_2PCl(C_6H_5)_3$ $C_{25}H_{22}ClP$ $M = 388{,}88$ g/mol assay (ex Cl) 99%	WG. 2934	25 g	30,75	26,15	24,60	23,05
39300	**O-Benzyl-L-tyrosine** BIOSYNTH® *O-Benzyl-L-tyrosine / O-Bencil-L-tirosina* $C_6H_5OC_6H_4CH_2CH(NH_2)COOH$ $C_{16}H_{17}NO_3$ $M = 271{,}32$ g/mol	WG. 2923	5 g	75,—	63,75	60,—	56,25
10422 A 6.1/51 C 6.1 1567 2	**Beryllium** powder *Béryllium / Berilio* Be $M = 9{,}01$ g/mol assay ..... 98,5% R: 26/27-37-39 S: 26-28-45 disposal: 10	WG. 7704	10 g	82,—	69,70	65,60	61,50
38631 A 6.1/51 C 6.1 1566 2	**0,100 g Beryllium** FIXANAL® water-soluble standard for atom absorption *0,100 g Béryllium / 0,100 g Berilio* ampoule R: 25-36/38 S: 25-44 disposal: 10	3819	1 pack	10,25	8,70	8,20	7,70

PANPEHA® universal indicator paper in strips

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	(16
38554	**1,00 g Beryllium** FIXANAL® watersoluble standard for atom absorption	*3819*	1 pack	10,25	8,70	8,20	
A 6.1/51 C 6.1 1566 2	*1,00 g Beryllium / 1,00 g Berilio* ampoule						
	R: 26/27-37-39 S: 26-28-45 disposal: 10						
14704	**Beryllium chloride** *Béryllium chlorure / Berilio cloruro*	WG. *2830*	10 g	18,—	15,30	14,40	1
A 6.1/51 C 6.1 1566 2	$BeCl_2$ $M = 79{,}92$ g/mol						
	R: 26/27-37-39 S: 26-28-45 disposal: 10						
14706	**Beryllium fluoride** *Béryllium fluorure / Berilio fluoruro*	WG. *2829*	100 g	73,50	62,50	58,80	5
A 6.1/51 C 6.1 1566 2	BeF_2 $M = 47{,}01$ g/mol						
	R: 26/27-37-39 S: 26-28-45 disposal: 10						
14707	**Beryllium nitrate** chem. pure cryst. *Béryllium nitrate / Berilio nitrato*	PF.	100 g	40,25	34,20	32,20	30
A 6.1/54 C 5.1 2464 2	$Be(NO_3)_2 \cdot 4H_2O$ $M = 205{,}08$ g/mol	PF. *2839*	1 kg	305,—	259,25	244,—	234
	assay ..... 99 % aluminium (Al) ..... 0,02 % ammonium (NH_4) ..... 0,05 % arsenic (As) ..... 0,0004 % iron (Fe) ..... 0,001 % manganese (Mn) ..... 0,001 % heavy metals (as Pb) ..... 0,002 % substances not precipitated by ammonia solution (as sulphates) ..... 0,3 % chloride (Cl) ..... 0,002 % sulphate (SO_4) ..... 0,01 %						
	R: 26/27-37-39 S: 26-28-45 disposal: 10						
14708	**Beryllium oxide** *Béryllium oxyde / Berilio óxido*	WG. *2828*	25 g	43,25	36,75	34,60	32
A 6.1/51 C 6.1 1566 2	BeO $M = 25{,}01$ g/mol						
	R: 26/27-37-39 S: 26-28-45 disposal: 10						
	Best solution see Carmine solution ammoniacal						
56002	**BIBUQ** for scintillation [4,4'''-Bis-(2-butyloctyloxy)-p-quaterphenyl]	WG. *2935*	10 g	87,50	74,40	70,—	65,
	$C_{48}H_{66}O_2$ $M = 675{,}05$ g/mol						
	Bicyclo[2.2.1]-hepta-2,5-diene see Norbornadiene-('2,5)						
63260	*endo-cis*-**Bicyclo[2,2,1]-heptene-(5)-dicarboxulicanhydride-(2,3)** PROSYNTH® *Anhydride endo-cis-bicyclo[2-2-1]-heptène-(5)-dicarboxylique-(2-3) / Anhidrido endo-cis-biciclo[2,2,1]-hepteno-(5)-dicarboxilico-(2,3)*	WG. *2915*	100 g	22,—	18,70	17,60	16,
	$C_9H_8O_3$ $M = 164{,}16$ g/mol assay (titration) ..... 98 % melting range ..... 163—165 °C						
	Biformyl see Glyoxal solution						
	Biisopropyl see 2,3-Dimethylbutane						
33056	**Bilirubin** R.G. *Bilirubine / Bilirubina*	FL. *2935*	1 g	311,—	264,35	248,80	233,
	$C_{33}H_{36}N_4O_6$ $M = 584{,}67$ g/mol assay (UV) ..... 99 % log ε_{461} ($CHCl_3$) ..... 4,75 loss on drying ..... max. 0,1 % residue on ignition ..... max. 0,1 %						

refer explanations

Number ADR E/GGVS G-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
3 *82C2* *I. 3*	**Binapacryl** min. 99% PESTANAL® (2-sec-Butyl-4,6-dinitrophenyl-3-methyl-2-butenoate) $(NO_2)_2C_6H_2[OC(O)CH=C(CH_3)_2]CH(CH_3)C_2H_5$ $C_{15}H_{18}N_2O_6$ *M* = 322,32 g/mol R: 23/24/25 S: 2-13-44 disposal: 7	FL. *2914*	1 g	28,25	24,—	22,60	21,20
69	**Bindone** R.G. *Bindone / Bindon* $C_{18}H_{10}O_3$ *M* = 274,28 g/mol	WG. *2913*	10 g	55,50	47,20	44,40	41,65
	Biocides see respective article. Complete range see appendix PESTANAL®						
	Biphenyl see Diphenyl						
00	**Biphenyl** min. 99% PESTANAL® *Biphényle / Bifenilo* $C_6H_5C_6H_5$ $C_{12}H_{10}$ *M* = 154,21 g/mol	FL. *2901*	1 g	19,25	16,35	15,40	14,45
148	**Biphenyl** PROSYNTH® *Biphényle / Bifenilo* $C_6H_5C_6H_5$ $C_{12}H_{10}$ *M* = 154,21 g/mol assay (GC) ..... 99% melting range ..... 68—70 °C	PF. *2901*	1 kg	19,75	16,80	15,80	15,20
149	**2-Biphenylcarboxylic acid** PROSYNTH® *Acide biphénylcarboxylique-(2) / Acido bifenilcarboxilico-(2)* $C_6H_5C_6H_4COOH$ $C_{13}H_{10}O_2$ *M* = 198,22 g/mol assay (alkalimetric) ..... 98% melting range ..... 110—112 °C	WG. WG. *2914*	† 10 g 50 g	10,50 42,—	8,95 35,70	33,60	31,50
2150	**4-Biphenylcarboxylic acid** PROSYNTH® *Acide biphénylcarboxylique-(4) / Acido bifenilcarboxilico-(4)* $C_6H_5C_6H_4COOH$ $C_{13}H_{10}O_2$ *M* = 198,22 g/mol assay (alkalimetric) ..... 98% melting range ..... 224—226 °C	WG. *2914*	100 g	52,—	44,20	41,60	39,—
65186 *A 6.1/21* *C 6.1 2811 2*	**4-Biphenylcarboxylic acid nitrile** PROSYNTH® *Acide biphénylcarboxylique-4 nitrile / Acido bifenilcarboxílico-4 nitrilo* $C_6H_5C_6H_4CN$ $C_{13}H_9N$ *M* = 179,22 g/mol assay ..... 99% melting range ..... 85—86 °C R: 23/24/25 S: 44 disposal: 15	WG. *2927*	100 g	153,—	130,05	122,40	114,75
62151	**2,2'-Biphenyldicarboxylic acid** PROSYNTH® *Acide biphényldicarboxylique-(2-2') / Acido bifenildicarboxílico-(2,2')* $HOOCC_6H_4C_6H_4COOH$ $C_{14}H_{10}O_4$ *M* = 242,23 g/mol assay (alkalimetric) ..... 98% melting range ..... 227—230 °C	PF. *2915*	100 g	65,50	55,70	52,40	49,15
	Biphenylyl-(2)-amine see 2-Aminobiphenyl						

PEHANAL® universal indicator paper in rolls

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	(16
64309	**2-(4)-Biphenylyl-2-propanol** PROSYNTH® *Biphénylyl-(4)-2-propanol-2 / 2-(4)-Bifenilil)-2-propanol* $C_6H_5C_6H_4C(CH_3)_2OH$ $C_{15}H_{16}O$ $M = 212{,}29$ g/mol assay (HPLC) ..... 97% melting range ..... 90—93 °C	WG. *2905*	10 g	38,25	32,50	30,60	2
33155	**2,2'-Bipyridine** R. G. *2-2'-Bipyridine / 2,2'-Bipiridina* $NC_5H_4C_5H_4N$ $C_{10}H_8N_2$ $M = 156{,}19$ g/mol assay ..... min. 99,5% melting range ..... 70—72 °C insoluble in ethanol ..... max. 0,01% sulphated ash ..... max. 0,2% chloride (Cl) ..... max. 0,001% sulphate (SO_4) ..... max. 0,005% suitability for determination of iron ..... passes test	FL. WG. *2935*	1 g 5 g	8,50 15,75	7,25 13,40	6,80 12,60	1
62152	**4,4'-Bipyridine** PROSYNTH® anhydrous *4-4'-Bipyridine / 4,4'-Bipiridina* CH=CHN=CHCH=CC=CHCH=NCH=CH $C_{10}H_8N_2$ $M = 156{,}19$ g/mol assay ..... 98% melting range ..... 110—114 °C	WG. *2935*	10 g	22,50	19,15	18,—	1
	Bipyridyl see Bipyridine						
	2,2'-Biquinoline see Cuproin						
64311 A 8/35 C 8 1719 2	**1,3-Bis(aminomethyl)-benzene** PROSYNTH® *Bis(aminométhyl)-1-3-benzène / 1,3-Bis(aminometil)benceno* $C_6H_4(CH_2NH_2)_2$ $C_8H_{12}N_2$ $M = 136{,}20$ g/mol **1 L ≈ 1,05 kg** assay (GC) ..... 98% boiling range (at 19 mbar) ..... 138—140 °C refractive index (n_D^{20}) 1,571	FL. *2922*	50 ml	23,—	19,55	18,40	17
33217	**Bisbenzimide H 33258** Fluorochrome for chromosome staining keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	FL. *3205*	1 g	43,75	37,20	35,—	32
33263	**Bisbenzimide H 33342** Fluorochrome for chromosome staining *Bisbenzimide H 33342 / Bisbencimida H 33342* keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	FL. *3205*	1 g	52,50	44,65	42,—	39
64000	**Bis-(benzoylcyclopentadienyl)-iron** PROSYNTH® *Bis-(benzoylcyclopentadiényl)-fer / Bis-(benzoilciclopentadienil)-hierro* $(C_6H_5COC_5H_4)_2Fe$ $C_{24}H_{18}FeO_2$ $M = 394{,}25$ g/mol assay (HPLC) ..... 98% melting range ..... 102—103 °C	WG. *2934*	5 g	47,—	39,95	37,60	35
	α,α-Bisbenzylideneaminotoluene see Hydrobenzamide						
	1,2-Bisbromomethylbenzene see α,α'-Dibromo-o-xylene						
	2,7-Bis-[N,N-*di*-(carboxymethyl)-aminomethyl]-fluorescein see Calcein						
	3,3'-Bis-[N,N-*di*-(carboxymethyl)-aminomethyl]-thymolsulphonphthalein tetrasodium salt see Methyl thymol blue						

refer explanations

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4	**Bis-(2-chlorethyl)-ammonium chloride** PROSYNTH® *Bis-(chloro-2-éthyl)amine chlorhydrate / Bis-(2-cloroetil)-amino cloruro* $(ClCH_2CH_2)_2NH \cdot HCl$ $C_4H_{10}Cl_3N$ $M = 178{,}49$ g/mol assay (ex Cl) ..... 99% melting range ..... 210–211 °C	WG. *2924*	100 g	60,–	51,–	48,–	45,–
	1,2-Bis-(chloromethylbenzene) see α,α'-Dichloro-o-xylene						
	1,3-Bis-(chloromethylbezene) see α,α'-Dichloro-m-xylene						
	1,4-Bis-(chloromethylbezene) see α,α'-Dichloro-p-xylene						
14 /12F 1992 2 °C	**Bis(chloromethyl)ether** PROSYNTH® *Ether bis(chlorométhylique) / Eter bis(clorometílico)* $(ClCH_2)_2O$ $C_2H_4Cl_2O$ $M = 114{,}96$ g/mol **1 L ≈ 1,33 kg** assay (GC) ..... 97% keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 26-39 S: 24/25-45 disposal: 10	FL. *2908*	250 ml	163,–	138,55	130,40	122,25
616 1/21 1 2810 2	**Bis-(2-cyanoethyl)ether** for gas chromatography *Ether bis(2-cyanoéthylique) / Eter bis(2-cianetílico)* $O(CH_2CH_2CN)_2$ $C_6H_8N_2O$ $M = 124{,}14$ g/mol **1 L ≈ 1,05 kg** working temperature ..... to 75 °C	FL. *2927*	50 ml	131,–	111,35	104,80	98,25
	Bis-cyclohexanone-oxalyldihydrazone see Oxalic acid-bis-(cyclohexylidene hydrazide)						
2080	**4,4'-Bis-(3,4-dihydroxybenzeneazo)-stilbene-2,2'-disulphonic acid diammonium salt** R. G. *Acide 4-4'-bis-(3-4-dihydroxybenzolazo)stilbène-2,2'-disulfonique sel diammonium / Acido 4,4'-bis-(3,4-dihidroxibenzolazo)estilbeno-2,2'-disulfónico sal diamónica* $C_{26}H_{26}N_6O_{10}S_2$ $M = 646{,}66$ g/mol	FL. *2935*	1 g	24,75	21,05	19,80	18,55
3759 3/3 3.3 1993 2 -43 °C	**1,3-Bis-(dimethylamino)butane** PROSYNTH® *1-3-Bis-(diméthylamino)butane / 1,3-Bis-(dimetilamino)butano* $(CH_3)_2NCH(CH_3)CH_2CH_2N(CH_3)_2$ $C_8H_{20}N_2$ $M = 144{,}26$ g/mol **1 L ≈ 0,80 kg** assay (GC) ..... 99% boiling range (at 16 mbar) ..... 54–56 °C refractive index (n_D^{20}) ..... 1,433 R: 10-36/37/38 S: 28 disposal: 19	FL. *2922*	100 ml	25,75	21,90	20,60	19,30
39601	**Bis(-2-ethoxyethyl) adipate** for gas chromatography *Bis(-2-éthoxyéthyl) adipate / Bis(-2-etoxietil) adipato* $CH_3CH_2OCH_2CH_2OCO(CH_2)_4COOCH_2CH_2OCH_2CH_3$ $C_{14}H_{26}O_6$ $M = 290{,}36$ g/mol working temperature ..... to 150 °C	PF. *2915*	25 g	56,–	47,60	44,80	42,–
60463 A 8/35 C 3.3 1993 2 +46 °C	**Bis-(2-ethylhexyl)-amine** PROSYNTH® *Bis-(2-éthylhexyl)-amine / Bis-(2-etilhexil)-amina* $[CH_3(CH_2)_3CH(C_2H_5)CH_2]_2NH$ $C_{16}H_{35}N$ $M = 241{,}46$ g/mol **1 L ≈ 0,81 kg** assay ..... 98% boiling range (at 7 mbar) ..... 133–135 °C refractive index (n_D^{20}) 1,443	FL. *2922*	250 ml	28,–	23,80	22,40	21,–

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62993	**Bis-(2-ethylhexyl)phthalate** PROSYNTH® *Bis-(2-éthylhexyl)phtalate / Bis-(2-etilhexil)ftalato* $C_6H_4[COOCH_2CH(C_2H_5)(CH_2)_3CH_3]_2$ $C_{24}H_{38}O_4$ $M = 390{,}56$ g/mol **1 L ≈ 0,98 kg** assay (HPLC) ..... 97 % boiling range (at 2,7 mbar) ..... 202—204 °C refractive index (n_D^{20}) 1,487	FL. 2915	1 L	18,75	15,95	15,—	
39648	**Bis-(2-ethylhexyl)sebacate** for gas chromatography *Bis-(2-éthylhexyl)sébacate / Bis-(2-etilhexil)sebacato* $C_{26}H_{50}O_4$ $M = 426{,}68$ g/mol **1 L ≈ 0,91 kg** working temperature ..... to 150 °C	FL. 2915	50 ml	28,—	23,80	22,40	
39303 A 6.1/21 C 6.1 2811 3	**Bis-(4-fluoro-3-nitrophenyl)-sulphone** BIOSYNTH® *Bis-(4-fluoro-3-nitrophényl)-sulfone / Bis-(4-fluoro-3-nitrofenil)-sulfón* $(FC_6H_3NO_2)_2SO_2$ $C_{12}H_6F_2N_2O_6S$ $M = 344{,}25$ g/mol assay (GC) ..... 99 % melting range ..... 191—193 °C	WG. 2903	25 g	85,—	72,25	68,—	
61505	**Bis-(4-fluorophenyl)-methanol** PROSYNTH® *Bis-(4-fluorophényl)-méthanol / Bis-(4-fluorofenil)-metanol* $(FC_6H_4)_2CHOH$ $C_{13}H_{10}F_2O$ $M = 220{,}22$ g/mol assay (GC) ..... 98 % melting range ..... 43—45 °C	WG. FTPD 2902	100 g 25 kg	165,—	140,25 price on request	132,—	12
61160	**Bis-(4-fluorophenyl)-sulphone** PROSYNTH® *Bis-(fluoro-4-phényl)-sulfone / Bis-(4-fluorofenil)-sulfona* $FC_6H_4SO_2C_6H_4F$ $C_{12}H_8F_2O_2S$ $M = 254{,}26$ g/mol assay (GC) ..... 99 %	WG. 2931	100 g	170,—	144,50	136,—	12
	Bis-(2-hydroxyethyl)-amine see Diethanolamine						
64497	**N,N-Bis-(2-hydroxyethyl)-2-aminoethanesulphonic acid** PROSYNTH® *Acide N-N-bis-(2-hydroxyéthyl)-2-aminoéthanesulfonique / Acido N,N-bis-(2-hidroxietil)-2-aminoetanosulfónico* $(HOCH_2CH_2)_2NCH_2CH_2SO_3H$ $C_6H_{15}NO_5S$ $M = 213{,}25$ g/mol assay (alkalimetric) ..... 99 % melting range ..... 152—154 °C	WG. 2936	10 g	13,25	11,25	10,60	
	N,N-Bis-(2-hydroxyethyl)methylamine see N-Methyldiethanolamine						
64319	**1,4-Bis-(hydroxymethyl)-cyclohexane** mixture of *cis*- and *trans*-isomers PROSYNTH® *Bis-(hydroxyméthyl)-1-4-cyclohexane / 1,4-Bis-(hidroximetil) ciclohexano* $HOCH_2CHCH_2CH_2CH(CH_2OH)CH_2CH_2$ $C_8H_{16}O_2$ $M = 144{,}21$ g/mol assay (GC) ..... 98 %	WG. 2905	250 g	29,—	24,65	23,20	2
	3,3-Bishydroxymethylpentane see 2,2-Diethylpropanediol-(1,3)						
	2,2-Bishydroxymethylpropanediol-(1,3) see Pentaerythritol						
	α,α,-Bis-(4'-hydroxy-1'-naphthyl)-benzyl alcohol see Naphthol-1-benzein						
	Bis-(2-hydroxypropyl)amine see Di-*iso*-propanolamine						
56009	**Bis-MSB** for scintillation [1,4-Di-(2-methylstyryl)-benzene] $C_{24}H_{22}$ $M = 310{,}44$ g/mol	WG. WG. WG. 2901	5 g 100 g 1 kg	22,25 287,— 2807,—	18,90 243,95 2385,95	17,80 229,60 2245,60	1 21 216

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5	**Bismuth** chem. pure sticks *Bismuth / Bismuto* Bi *M* = 208,98 g/mol	PF. PF. *8104*	50 g 500 g	10,25 68,—	8,70 57,80	8,20 54,40	7,70 52,35
3	**Bismuth** chem. pure powder *Bismuth / Bismuto* Bi *M* = 208,98 g/mol	WG. PF. *8104*	50 g 500 g	10,50 69,—	8,95 58,65	8,40 55,20	7,90 53,15
19	**0,100 g Bismuth** FIXANAL® water-soluble standard for atom absorption ampoule *0,100 g Bismuth / 0,100 g Bismuto*	*3819*	1 pack	10,25	8,70	8,20	7,70
80	**1,00 g Bismuth** FIXANAL® watersoluble standard for atom absorption ampoule *1,00 g Bismuth / 1,00 g Bismuto*	*3819*	1 pack	10,25	8,70	8,20	7,70
	Bismuth ammonium citrate see Ammonium bismuth citrate						
			1 pack	10,25	8,70	8,20	7,70
317	**Bismuth carbonate basic** chem. pure Ph. Eur. I, B. P. C. 1973, Ph. Franc, IX, U. S. P. XVIII, Reag. Ph. Eur. I *Bismuth carbonate basique / Bismuto carbonato básico*	PF. PF. FTP. *2842*	100 g 1 kg 25 kg	15,75 93,50 price on request	13,40 79,50	12,60 74,80	11,80 72,—
	Bismuth carbonate basic see Bismuth subcarbonate						
260 5.1 2811 3	**Bismuth fluoride** 95% BiF_3 *Bismuth fluorure / Bismuto fluoruro* BiF_3 *M* = 265,98 g/mol	PF. *2829*	5 kg	price on request			
9330	**Bismuth gallate basic** DAB 8, B. P. C. 1973, N. F. XI *Bismuth gallate basique / Bismuto galato básico* assay of Bi in dried substance ..... 48—52%	PF. PF. *2916*	1 kg 2,5 kg	75,50 182,—	64,20 151,05	60,40 141,95	58,15 136,50
	Bismuth gallate basic see Bismuth subgallate						
3091	**Bismuthiol I dipotassium salt** R. G. *Bismuthiol I sel dipotassique / Bismutiol I sal dipotásica* $\underbrace{SC(SK)=NN=CSK}$ $C_2K_2N_2S_3$ *M* = 226,43 g/mol	WG. *2935*	10 g	12,50	10,65	10,—	9,40
3092	**Bismuthiol II** R. G. *Bismuthiol II / Bismutiol II* $\underbrace{SC(=S)N(C_6H_5)N=CSK}$ $C_8H_5KN_2S_3$ *M* = 264,44 g/mol	WG. *2935*	10 g	13,50	11,50	10,80	10,15
10324 C 5.1 1477 2	**Bismuth nitrate** cryst. DAB 6 *Bismuth nitrate / Bismuto nitrato* $Bi(NO_3)_3 \cdot 5H_2O$ *M* = 485,07 g/mol	PF. PF. *2839*	250 g 1 kg	22,— 58,50	18,70 49,75	17,60 46,80	16,50 45,05
10334 C 5.1 1477 2	**Bismuth nitrate basic** chem. pure DAB 8, B. P. C. 1963, N. F. XIV *Bismuth nitrate basique / Bismuto nitrato básico* assay (Bi) ..... 72% arsenic (As) ..... 0,0002% loss on drying (105 °C) ..... 3% substances not precipitated by ammonia solution 0,5% chloride (Cl) ..... 0,005% sulphate (SO_4) 0,002%	PF. PF. PF. FTP. *2839*	250 g 1 kg 5 kg 25 kg	26,— 82,50 395,— price on request	22,10 70,15 327,85	20,80 66,— 308,10	19,50 63,55 296,25
	Bismuth nitrate basic see Bismuth subnitrate						
10305	**Bismuth(III) oxide** *Bismuth(III) oxyde / Bismuto(III) óxido* Bi_2O_3 *M* = 465,96 g/mol assay ..... 99,5% loss in ignition (1000 °C) ..... 0,5% arsenic (As) ..... 0,0001% iron (Fe) ..... 0,005% copper (Cu) ..... 0,001% nitrate (NO_3) 0,02%	PF. PF. FTP. *2828*	250 g 1 kg 25 kg	33,— 110,— price on request	28,05 93,50	26,40 88,—	24,75 84,70

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	Bismuth oxide nitrate see Bismuth subnitrate					
	Bismuth oxide salicylate see Bismuth subsalicylate					
10328	**Bismuth salicylate basic** DAB 7, U. S. P. XVI, B. P. 1953 *Bismuth salicylate basique / Bismuto salicilato básico* assay of Bi in dried substance ..... 58 % loss on drying (105 °C) ..... 0,3 % arsenic (As) ..... 0,0001 % substances not precipitated by ammonia solution (as sulphates) ..... 0,5 % chloride (Cl) ..... 0,01 % sulphate (SO_4) ..... 0,02 %	PF. *2916*	1 kg	82,—	69,70	65,60
	Bismuth salicylate basic see Bismuth subsalicylate					
31646 C 5.1 1477 2	**Bismuth subnitrate** R. G. *Bismuth sous-nitrate / Bismuto subnitrato* assay of bismuth (Bi) ..... min. 71,0 % ammonium (NH_4) ..... max. 0,003 % arsenic (As) ..... max. 0,0005 % lead (Pb) ..... max. 0,005 % calcium (Ca) ..... max. 0,005 % iron (Fe) ..... max. 0,002 % copper (Cu) ..... max. 0,002 % silver (Ag) ..... max. 0,001 % zinc (Zn) ..... max. 0,001 % substances not precipitated by hydrogen sulphide ..... max. 0,5 % chloride (Cl) ..... max. 0,005 % sulphate (SO_4) ..... max. 0,002 %	PF. PF. PF. *2839*	50 g 100 g 500 g	13,25 24,— 98,50	11,25 20,40 83,75	10,60 19,20 78,80
10318	**Bismuth trichloride** cryst. *Bismuth trichlorure / Bismuto tricloruro* $BiCl_3$ $M = 315{,}34$ g/mol assay ..... 98 % arsenic (As) ..... 0,0005 % lead (Pb) ..... 0,02 % iron (Fe) ..... 0,01 % copper (Cu) ..... 0,01 % nitrate (NO_3) ..... 0,03 % sulphate (SO_4) ..... 0,05 %	WG. WG. *2830*	100 g 1 kg	33,— 295,—	28,05 250,75	26,40 236,—
39443	**Bis-(p-nitrophenyl)-phosphate calcium salt** BIOSYNTH® *Bis-(p-nitrophényle)-phosphate, sel de calcium / Bis-(p-nitrofenilo)-fosfato, sal de calcio* $[(NO_2C_6H_4O)_2PO_2]_2Ca \cdot 2H_2O$ $C_{24}H_{16}CaN_4O_{16}P_2 \cdot 2H_2O$ $M = 754{,}47$ g/mol	FL. *2919*	1 g	17,—	14,45	13,60
	Bis-[pentanedionato-(2,4)]-cobalt(II) see Cobalt(II) acetylacetonate					
	Bis-[pentanedionato-(2,4)]-copper(II) see Copper(II) acetylacetonate					
	Bis-[pentanedionato-(2,4)]-iron(II) see Iron(II) acetylacetonate					
	Bis-[pentanedionato-(2,4)]-magnesium see Magnesium acetylacetonate					
	Bis-[pentanedionato-(2,4)]-manganese(II) see Manganese(II) acetylacetonate					
	Bis-[pentanedionato-(2,4)]-nickel(II) see Nickel(II) acetylacetonate					
	Bis-[pentanedionato-(2,4)]-zinc(II) see Zinc(II) acetylacetonate					
61128 A 6.1/23 C 6.1 2810 2	**Bis-(perfluorohexyl)-disulphide** PROSYNTH® *Bis-(perfluorohexyl)-disulfure / Bis-(perfluorohexil)-disulfuro* $[CF_3(CF_2)_5S]_2$ $C_{12}F_{26}S_2$ $M = 702{,}22$ g/mol **1 L ≈ 1,84 kg** assay (GC) ..... 98 % boiling range (at 13 mbar) ..... 110 – 112 °C	FL. *2931*	10 ml	52,50	44,65	42,—

refer explanations

Number ADR E/GGVS G-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
14	**2,2-Bis(4-tetrafluoroethoxyphenyl) propane** PROSYNTH® *2-2-Bis(4-tétrafluoroéthoxyphényl) propane / 2,2-Bis(4-tetrafluoroetoxifenil) propano* $CH_3C(C_6H_4OCF_2CF_2H)_2CH_3$ $C_{19}H_{16}F_8O_2$ $M = 428{,}32$ g/mol 1 L ≈ 1,35 kg assay (HPLC) 98%	FL. 2908	25 ml	71,—	60,35	56,80	53,25
53 1/81F2 1 2810 3	**Bis(tributyltin) oxide** PROSYNTH® *Bis(tributylétain) oxyde / Bis(tributilestaño) óxido* $(CH_3CH_2CH_2CH_2)_3SnOSn(CH_2CH_2CH_2CH_3)_3$ $C_{24}H_{54}OSn_2$ $M = 596{,}07$ g/mol 1 L ≈ 1,16 kg R: 23/24/25 S: 2-13-44 disposal: 10	FL. 2934	100 ml	30,—	25,50	24,—	22,50
120 1/21 1 2811 2	**Bis-(trifluoroacetamide)** PROSYNTH® *Bis-(trifluoracétamide) / Bis-(trifluoracetamida)* $(CF_3CO)_2NH$ $C_4HF_6NO_2$ $M = 209{,}05$ g/mol assay (ex N) ..... 97% melting range ..... 84—86 °C	FL. 2925	5 g	33,75	28,70	27,—	25,30
091 1/21E 1 2810 2	**3,5-Bis(trifluoromethyl)aniline** PROSYNTH® *3-5-Bis(trifluorométhyl)aniline / 3,5-Bis(trifluorometil)anilina* $C_6H_3(NH_2)(CF_3)_2$ $C_8H_5F_6N$ $M = 229{,}12$ g/mol 1 L ≈ 1,48 kg assay (GC) ..... 98% boiling range (at 20 mbar) ..... 83—85 °C refractive index (n_D^{20}) 1,434	FL. 2922	100 ml	163,—	138,55	130,40	122,25
090 6.1/61 6.1 2810 3	**1,3-Bis(trifluoromethyl)benzene** PROSYNTH® *1-3-Bis(trifluorométhyl)benzène / 1,3-Bis(trifluormetil)benceno* $C_6H_4(CF_3)_2$ $C_8H_4F_6$ $M = 214{,}11$ g/mol 1 L ≈ 1,39 kg assay (GC) ..... 99% boiling range ..... 115—117 °C refractive index (n_D^{20}) 1,381	FL. 2902	250 ml	59,50	50,60	47,60	44,65
1149	**2,5-Bis-(trifluoromethyl)-perfluoro-3,6-dioxanonanoic acid potassium salt** PROSYNTH® *Acide 2-5-bis-(trifluorométhyl)-perfluoro-3-6-dioxanonanoïque sel potassique / Acido 2,5-bis-(trifluorometil)-perfluoro-3,6-dioxanonanóico sal potásica* $CF_3CF_2CF_2OCF(CF_3)CF_2OCF(CF_3)COOK$ $C_9F_{17}KO_4$ $M = 534{,}17$ g/mol assay ..... 98% melting range ..... 178—180 °C (disint.)	WG. 2916	10 g	22,—	18,70	17,60	16,50
1148 6.1/23 6.1 2810 2	**2,5-Bis-(trifluoromethyl)-perfluoro-3,6-dioxanonanoyl fluoride** PROSYNTH® *2-5-Bis-(trifluoromethyl)-perfluoro-3-6-dioxanonanoyle fluorure / 2,5-Bis-(trifluorometil)-perfluoro-3,6-dioxanonanoilo fluoruro* $CF_3CF_2CF_2OCF(CF_3)CF_2OCF(CF_3)COF$ $C_9F_{18}O_3$ $M = 498{,}07$ g/mol 1 L ≈ 1,68 kg assay ..... 98% boiling range ..... 114—116 °C	FL. 2908	10 ml	37,75	32,10	30,20	28,30
	Bis-trimethylhexylphthalate see Dionyl phthalate						
62154	**Biuret** PROSYNTH® *Biuret / Biuret* $NH_2CONHCONH_2$ $C_2H_5N_3O_2$ $M = 103{,}08$ g/mol assay (ex N) ..... 95% melting range ..... 188—190 °C (disint.)	WG. 2925	100 g	35,50	30,20	28,40	26,65
	Blacher's solution see Potassium palmitate solution						

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	Bleaching powder see Calcium hypochlorite						
	Blue gel see Silica gel with moisture indicator						
	Blue tetrazolium chloride see BTC						
	Blue vitriol see Copper(II) sulphate						
	Böhmer's solution see Hematoxylin solution						
18812	**Bone ash** powder *Cendre d'os / Hueso calcinado*	PF. S. *2604*	1 kg 50 kg	13,— price on request	11,05	10,40	10
	Borax see Sodium tetraborate						
32812 C 3.3 1142 2 +27 °C	**Borax carmin solution** ethanolic according to Grenacher, for microscopy *Borax et carmin en solution / Carmín-bórax en solución* 1 L ≈ 0,94 kg	FL. *3819*	250 ml	13,25	11,25	10,60	9
31146	**Boric acid** R. G., buffer substance, Reag. ACS, Reag. ISO, Reag. Ph. Eur. I *Acide borique / Acido bórico* H_3BO_3 $M = 61,83$ g/mol assay ..... min. 99,8% insoluble in water ..... max. 0,005% insoluble in methanol ..... max. 0,005% pH (4%, 20 °C) ..... 3,6—4,0 with methanol-hydrochloric acid non-volatile matter ..... max. 0,05% arsenic (As) ..... max. 0,00005% calcium (Ca) ..... max. 0,002% iron (Fe) ..... max. 0,0001% magnesium (Mg) ..... max. 0,0005% heavy metals (as Pb) ..... max. 0,0005% chloride (Cl) ..... max. 0,0003% phosphate (PO_4) ..... max. 0,0005% sulphate (SO_4) ..... max. 0,0005%	PF. PF. PF. FT. *2812*	500 g 1 kg 2,5 kg 50 kg	10,50 17,— 36,— kg	8,95 14,45 29,90 7,50	8,40 13,60 28,10	8 13 27
17815	**Boric acid** PURANAL® *Acide borique / Acido bórico* H_3BO_3 $M = 61,83$ g/mol analytical data on request	PF. *2812*	5 kg	price on request			
39305	**Boric acid** BIOSYNTH® *Acide borique / Acido bórico* H_3BO_3 $M = 61,83$ g/mol	PF. PF. PF. *2812*	250 g 1 kg 5 kg	10,50 25,75 98,50	8,95 21,90 81,75	8,40 20,60 76,85	7,9 19,8 73,9
11606	**Boric acid** chem. pure cryst., Ph.Eur. I,B. P. 1973, Ph. Franç, IX *Acide borique / Acido bórico* H_3BO_3 $M = 61,83$ g/mol assay ..... 99,8% iron (Fe) ..... 0,0005% heavy metals (as Pb) ..... 0,001% chloride (Cl) ..... 0,001% sulphate (SO_4) 0,02%	PF. PF. S. *2812*	1 kg 5 kg 50 kg	13,50 46,— price on request	11,50 38,20	10,80 35,90	10,4 34,5
11607	**Boric acid** chem. pure powder, Ph. Eur. I, B. P. 1973, Ph. Franç, IX *Acide borique / Acido bórico* H_3BO_3 $M = 61,83$ g/mol assay ..... 99,8% iron (Fe) ..... 0,0005% heavy metals (as Pb) ..... 0,001% chloride (Cl) ..... 0,001% sulphate (SO_4) 0,02%	PF. PF. S. *2812*	1 kg 5 kg 25 kg	13,75 51,50 price on request	11,70 42,75	11,— 40,15	10,6 38,6

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1	**Boric acid** pure powder *Acide borique / Acido bórico* H_3BO_3 *M* = 61,83 g/mol assay ..... 99,5% iron (Fe) ..... 0,0005% heavy metals (as Pb) ..... 0,001% chloride (Cl) ..... 0,001% sulphate (SO_4) 0,01%	PF. S. *2812*	5 kg 25 kg	44,75 price on request	37,15	34,90	33,55
	Boric acid, fused/Boric anhydride see Boron trioxide						
61 1312 3	**(-)-Borneol** PROSYNTH® *(-)-Bornéol / (-)-Borneol* $C_{10}H_{18}O$ *M* = 154,25 g/mol assay (GC) ..... 99% melting range ..... 206–208 °C	WG. *2905*	100 g	105,–	89,25	84,–	78,75
03	**Boron** amorphous, 95–97% *Bore / Boro* B *M* = 10,81 g/mol assay ..... 96% loss on drying (105 °C, 2 h) ..... 0,5% insoluble in nitric acid ..... 0,5% iron (Fe) ..... 0,2% magnesium (Mg) ..... 1% silicium (Si) 0,2%	WG. WG. *2804*	10 g 100 g	19,75 149,50	16,80 127,10	15,80 119,60	14,80 112,15
420	**Boron carbide** *Bore carbure / Boro carburo* B_4C *M* = 55,25 g/mol	PF. *2856*	100 g	39,25	33,35	31,40	29,45
632	**Boron nitride** *Bore nitrure / Boro nitruro* BN *M* = 24,82 g/mol	PF. *2857*	50 g	37,25	31,65	29,80	27,95
2156 8/12 3 1759 2	**Boron tribromide** PROSYNTH® *Bore tribromure / Boro tribromuro* BBr_3 *M* = 250,52 g/mol **1 L ≈ 2,64 kg** assay (ex Br) ..... 99% boiling range ..... 89–91 °C package of 100 g R: 14-26/28-35 S: 9-26-28-36-45 disposal: 2	*2814*	1 pack	45,75	38,90	36,60	34,30
2157 2/11AT 2 1741	**Boron trichloride** PROSYNTH® *Bore trichlorure / Boro tricloruro* BCl_3 *M* = 117,17 g/mol assay ..... 99% boiling range ..... 12–13 °C package of 100 g R: 14-26/28-34 S: 9-26-28-36-45 disposal: 2	*2814*	1 pack	87,50	74,40	70,–	65,65
61220 A 8/15C C 8 1742 2	**Boron trifluoride-acetic acid-complex** PROSYNTH® *Bore trifluorure-acide acétique-complexe / Boro trifluoruro-acido acético-complejo* $BF_3 \cdot 2CH_3COOH$ $C_4H_8BF_3O_4$ *M* = 187,91 g/mol **1 L ≈ 1,35 kg** R: 14-26/28-34 S: 9-26-28-36-45 disposal: 27	FL. *2945*	500 ml	29,75	25,30	23,80	22,90
61467 A 3/4 C 8 2604 2 +59 °C	**Boron trifluoride-diethyl ether-complex** PROSYNTH® *Bore trifluorure-éther diéthylique-complexe / Boro trifluoruro-éter dietilico-complejo* $(C_2H_5)_2O \cdot BF_3$ $C_4H_{10}BF_3O$ *M* = 141,93 g/mol **1 L ≈ 1,13 kg** R: 14-26/28-34 S: 9-26-28-36-45 disposal: 27	FL. *2945*	250 ml	17,–	14,45	13,60	12,75

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61416 A 8/15 C 8 1759 2	**Boron trifluoride-ethylamine-complex** PROSYNTH® *Bore trifluorure-éthylamine-complexe / Boro trifluoruro-etilamina-complejo* $BF_3 \cdot C_2H_5NH_2$ $C_2H_7BF_3N$ $M = 112{,}89$ g/mol R: 14-26/28-34 S: 9-26-28-36-45 disposal: 27	WG. *2945*	100 g	25,50	21,70	20,40	
64315 A 3/3 C 3.3 1992 2 +54 °C	**Boron trifluoride-methyl ether-complex** PROSYNTH® *Bore trifluorure-éther méthylique-complexe / Boro trifluoro-éter metílico-complejo* $CH_3OCH_3 \cdot BF_3$ $C_2H_6BF_3O$ $M = 113{,}87$ g/mol **1 L ≈ 1,25 kg** assay of BF_3 ..... 60% R: 14-26/28-34 S: 9-26-28-36-45 disposal: 27	FL. *2945*	100 ml	14,50	12,35	11,60	1
61417 A 8/15C C 8 1760 2	**Boron trifluoride-piperidine-complex** PROSYNTH® *Bore trifluorure-pipéridine-complexe / Boro trifluoruro-piperidina-complejo* $CH_2(CH_2)_4NH \cdot BF_3$ $C_5H_{11}BF_3N$ $M = 152{,}95$ g/mol R: 14-26/28-34 S: 9-26-28-36-45 disposal: 27	PF. *2945*	250 g	71,50	60,80	57,20	53
61419 A 8/15 C 8 1759 2	**Boron trifluoride-*iso*-propylamine-complex** PROSYNTH® *Bore trifluorure-iso-propylamine-complexe / Boro trifluoruro-iso-propilamina-complejo* $(CH_3)_2CHNH \cdot BF_3$ $C_3H_8BF_3N$ $M = 125{,}91$ g/mol R: 14-26/28-34 S: 9-26-28-36-45 disposal: 27	PF. *2945*	250 g	36,25	30,80	29,—	27
61418 A 8/15 C 8 1760 2	**Boron trifluoride-triethanolamine-complex** PROSYNTH® *Bore trifluorure-triéthanolamine-complexe / Boro trifluoruro-trietanolamina-complejo* $(HOCH_2CH_2)_3N \cdot BF_3$ $C_6H_{15}BF_3NO_3$ $M = 216{,}99$ g/mol R: 14-26/28-34 S: 9-26-28-36-45 disposal: 27	PF. *2945*	250 g	56,50	48,05	45,20	42,
62158	**Boron triiodide** PROSYNTH® *Bore triiodure / Boro triyoduro* BJ_3 $M = 391{,}52$ g/mol assay (ex I) ..... 99% melting range ..... 48—50 °C R: 14-26/28-34 S: 9-26-28-36-45 disposal: 2	FL. *2814*	10 g	65,—	55,25	52,—	48,
31145	**Boron trioxide** anhydrous fine-granular for the silicate analysis *Bore trioxyde / Boro trióxido* B_2O_3 $M = 69{,}62$ g/mol with methanol-hydrochloric acid non-volatile matter ..... max. 0,05% calcium (Ca) ..... max. 0,002% iron (Fe) ..... max. 0,0005% potassium (K) ..... max. 0,003% magnesium (Mg) ..... max. 0,0005% sodium (Na) ..... max. 0,003% heavy metals (as Pb) ..... max. 0,002% chloride (Cl) ..... max. 0,002%	PF. PF. *2812*	250 g 1 kg	23,50 75,50	20,— 64,20	18,80 60,40	17,6 58,

refer explanations

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5	**Boron trioxide** granular *Bore trioxyde / Boro trióxido* B_2O_3 $M = 69{,}62$ g/mol loss on ignition (800 °C) ..... 2,5 % iron (Fe) ..... 0,05 % copper (Cu) ..... 0,005 %	PF. PF. *2812*	500 g 5 kg	16,50 111,50	14,05 92,55	13,20 86,95	12,70 83,65
	Boroviczeny's solution see Dye solution according to Boroviczeny						
59	**Brij ® 35** ® trade mark of Atlas Chemicals Industries Ltd.	PF. *3402*	500 g	22,50	19,15	18,—	17,35
10	**Brilliant cresyl blue** for microscopy *Bleu de crésyl brillant / Azul de cresilo brillante*	WG. WG. *3205*	25 g 100 g	20,25 54,—	17,20 45,90	16,20 43,20	15,20 40,50
41	**Brilliant green** for microscopy (C.I. No. 420-40, S. No. 760) *Vert brillant / Verde brillante*	WG. *3205*	100 g	20,—	17,—	16,—	15,—
007	**Brilliant yellow** indicator (C. I. No. 24890, S. No. 724) *Jaune brillant / Amarillo brillante* $(HOC_6H_4N=NC_6H_3SO_3NaCH=)_2$ $C_{26}H_{18}N_4Na_2O_8S_2$ $M = 624{,}56$ g/mol	WG. *3205*	25 g	17,—	14,45	13,60	12,75
332 *1/61* *1 2810 2*	**Bromal** PROSYNTH® *Bromal / Bromal* Br_3CCHO C_2HBr_3O $M = 280{,}74$ g/mol **1 L ≈ 2,67 kg** assay (GC) ..... 97 % boiling range ..... 172—174 °C refractive index (n_D^{20}) ..... 1,584 keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	FL. *2912*	100 ml	108,50	92,25	86,80	81,40
3835	**10,00 g Bromide** FIXANAL® as Potassium bromide *10,00 g Bromure / 10,00 g Bromuro* ampoule	*3819*	1 pack	18,75	15,95	15,—	14,05
0202 *8/14* *8 1744 1*	**Bromine** R. G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I *Brome / Bromo* Br_2 $M = 159{,}81$ g/mol **1 L ≈ 3,11 kg** assay ..... min. 99,5 % non-volatile matter ..... max. 0,005 % arsenic (As) ..... max. 0,0001 % lead (Pb) ..... max. 0,00005 % cadmium (Cd) ..... max. 0,00005 % iron (Fe) ..... max. 0,0001 % copper (Cu) ..... max. 0,00005 % nickel (Ni) ..... max. 0,00005 % zinc (Zn) ..... max. 0,00005 % chlorine (Cl) ..... max. 0,05 % iodine (I) ..... max. 0,001 % sulphate (SO_4) ..... max. 0,001 % organic bromine compounds ..... passes test R: 26-35 S: 7/9-26 disposal: 16	FL. FL. FL. *2801*	100 ml 250 ml 1 L	13,75 31,25 105,—	11,70 26,55 89,25	11,— 25,— 84,—	10,30 23,45 80,85
02001 *A 8/14* *C 8 1744 1*	**Bromine** DAB 6 *Brome / Bromo* Br_2 $M = 159{,}81$ g/mol **1 L ≈ 3,11 kg** assay ..... 99 % non-volatile matter ..... 0,02 % chlorine (Cl) ..... 0,05 % iodine (I) ..... 0,002 % R: 26-35 S: 7/9-26 disposal: 16	FL. FL. FL. FL. *2801*	100 ml 250 ml 500 ml 1 L	11,50 23,25 42,75 79,50	9,80 19,75 36,35 67,60	9,20 18,60 34,20 63,60	8,65 17,45 32,90 61,20
38040	**0,05 mol Bromine** FIXANAL® 2,784 g $KBrO_3$ + 27,8 g KBr for 1 L 0,1 N solution *0,05 mol Brome / 0,05 mol Bromo* ampoule	*3819*	1 pack	8,75	7,45	7,—	6,55
	Bromoacetal see Bromoacetaldehyde diethyl acetal						

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62160 A 3/4 +65 °C	**Bromoacetaldehyde diethyl acetal** PROSYNTH® *Bromoacétaldéhyde diéthylacétal / Bromoacetaldehído dietilacetal* $BrCH_2CH(OC_2H_5)_2$ $C_6H_{13}BrO_2$ M = 197,07 g/mol 1 L ≈ 1,28 kg assay (GC) ..... 97 % boiling range (at 20 mbar) ..... 62–64 °C refractive index (n_D^{20}) 1,438	FL. FL. *2910*	100 ml 1 L	17,– 126,50	14,45 107,55	13,60 101,20	
02874 A 3/4 +65 °C	**Bromoacetaldehyde diethyl acetal** *Bromoacétaldéhyde diéthylacétal / Bromoacetaldehído dietilacetal* $BrCH_2CH(OC_2H_5)_2$ $C_6H_{13}BrO_2$ M = 197,07 g/mol 1 L ≈ 1,28 kg assay (GC) ..... 97 % boiling range (at 20 mbar) ..... 62–64 °C refractive index (n_D^{20}) 1,438	STP. F. *2910*	30 kg 200 kg	price on request price on request			
64329 A 3/3 C 3.3 1993 2 +51 °C	**Bromoacetaldehyde dimethyl acetal** PROSYNTH® *Bromoacétaldéhyde diméthylacétal / Bromoacetaldehído dimetilacetal* $BrCH_2CH(OCH_3)_2$ $C_4H_9BrO_2$ M = 169,02 g/mol 1 L ≈ 1,46 kg assay (GC) ..... 97 % boiling range (at 15 mbar) ..... 45–47 °C refractive index (n_D^{20}) ..... 1,448 R: 10 disposal: 14	FL. FL. *2910*	50 ml 250 ml	32,– 132,50	27,20 112,65	25,60 106,–	2 9
62161 A 6.1/83 C 6.1 2811 3	**N-Bromoacetamide** PROSYNTH® *N-Bromoacétamide / N-Bromoacetamida* $CH_3CONHBr$ C_2H_4BrNO M = 137,96 g/mol assay (ex Br) ..... 98 % melting range ..... 105–108 °C keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	WG. WG. FTP. *2925*	† 50 g 250 g 50 kg	14,– 54,–	11,90 45,90 price on request	43,20	40
62162	**4-Bromoacetanilide** PROSYNTH® *4-Bromoacétanilide / 4-Bromoacetanilida* $CH_3CONHC_6H_4Br$ C_8H_8BrNO M = 214,06 g/mol assay (ex Br) ..... 98 % melting range ..... 166–168 °C	WG. *2925*	100 g	28,–	23,80	22,40	21
27202 A 8/21A1 C 8 1938 2	**Bromoacetic acid** *Acide bromoacétique / Acido bromoacético* $CH_2BrCOOH$ $C_2H_3BrO_2$ M = 138,95 g/mol 1 L ≈ 1,93 kg congealing point ..... 43° C R: 23/24/25-35 S: 36/37/39-44 disposal: 21	PF. STP. *2914*	1 L 55 kg	94,– price on request	79,90	75,20	72,
	Bromoacetic acid bromide see Bromoacetyl bromide						
60415 A 6.1/23C C 6.1 1693 2	**α-Bromoacetophenone** PROSYNTH® *α-Bromoacétophénone / α-Bromoacetofenona* $C_6H_5COCH_2Br$ C_8H_7BrO M = 199,05 g/mol assay (HPLC) ..... 98 % melting range ..... 49–51 °C	WG. *2913*	100 g	41,25	35,05	33,–	30,9
65142 A 6.1/23C C 6.1 2810 2	**3-Bromoacetophenone** PROSYNTH® *Bromo-3-acétophénone / 3-Bromoacetofenona* $BrC_6H_4COCH_3$ C_8H_7BrO M = 199,05 g/mol assay (GC) ..... 98 % boiling range (at 0,3 mbar) ..... 79–81 °C refractive index (n_D^{20}) 1,576	FL. *2913*	100 ml	160,–	136,–	128,–	120,–

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3 23C 1693 3	**4-Bromoacetophenone** PROSYNTH® *4-Bromoacétophénone / 4-Bromoacetofenona* $BrC_6H_4COCH_3$ C_8H_7BrO M = 199,05 g/mol assay (GC) ..... 98% melting range ..... 49–51 °C	FL. FTP. *2913*	100 ml 40 kg	40,–	34,–	32,–	30,–
	4-Bromo-1-acetylbenzene see 4-Bromoacetophenone						
65 22 513 2	**Bromoacetyl bromide** PROSYNTH® *Bromoacétyle bromure / Bromoacetilo bromuro* $BrCH_2COBr$ $C_2H_2Br_2O$ M = 201,85 g/mol **1 L ≈ 2,32 kg** assay ..... 99% boiling range ..... 149–150 °C R: 34 S: 26 disposal: 21	FL. *2914*	1 L	136,–	115,60	108,80	104,70
377 722 1760 2	**Bromoacetyl bromide** *Bromoacétyle bromure / Bromoacetilo bromuro* $BrCH_2COBr$ $C_2H_2Br_2O$ M = 201,85 g/mol **1 L ≈ 2,32 kg** assay ..... 99% boiling range ..... 149–150 °C R: 34 S: 26 disposal: 21	STP. *2914*	50 kg	price on request			
666 3/22 3 1760 2	**Bromoacetyl chloride** PROSYNTH® *Bromoacétyle chlorure / Bromoacetilo cloruro* $BrCH_2COCl$ C_2H_2BrClO M = 157,39 g/mol **1 L ≈ 1,91 kg** assay ..... 95% boiling range ..... 125–129 °C density (D_4^{20}) ..... 1,875–1,920 refractive index (n_D^{20}) ..... 1,4920–1,4980 R: 34 S: 26 disposal: 21	FL. *2914*	1 L	130,–	110,50	104,–	100,10
2868 8/22 8 1760 2	**Bromoacetyl chloride** *Bromoacétyle chlorure / Bromoacetilo cloruro* $BrCH_2COCl$ C_2H_2BrClO M = 157,39 g/mol **1 L ≈ 1,91 kg** assay ..... 95% boiling range ..... 125–129 °C density (D_4^{20}) ..... 1,875–1,920 refractive index (n_D^{20}) 1,4920–1,4980	F. *2914*	200 kg	price on request			
62166	**1-Bromoadamantane** PROSYNTH® *1-Bromoadamantane / 1-Bromoadamantano* $C_{10}H_{15}Br$ M = 215,13 g/mol assay (GC) ..... 98% melting range ..... 118–119 °C	WG. *2902*	25 g	36,–	30,60	28,80	27,–
	2-Bromo-1-aminoethane hydrobromide see 2-Bromoethylammonium bromide						
62169 A 6.1/21E C 6.1 2810 2	**2-Bromoaniline** PROSYNTH® *2-Bromoaniline / 2-Bromoanilina* $BrC_6H_4NH_2$ C_6H_6BrN M = 172,02 g/mol assay (GC) ..... 99% melting range ..... 28–31 °C R: 23/24/25-33 S: 28-36/37-44 disposal: 7	FL. *2922*	100 ml	110,–	93,50	88,–	82,50

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62170 A 6.1/21E C 6.1 2810 2	**3-Bromoaniline** PROSYNTH® *3-Bromoaniline / 3-Bromoanilina* $BrC_6H_4NH_2$ C_6H_6BrN $M = 172{,}02$ g/mol assay (GC) ..... 98 % boiling range ..... 249 – 251 °C refractive index (n_D^{20}) ..... 1,626 R: 23/24/25-33 S: 28-36/37-44 disposal: 7	FL. *2922*	100 ml	150,–	127,50	120,–	11
33058 A 6.1/21E C 6.1 2811 2	**4-Bromoaniline** R. G. *4-Bromaniline / 4-Bromoanilina* $BrC_6H_4NH_2$ C_6H_6BrN $M = 172{,}02$ g/mol assay ..... min. 99 % melting range ..... 62 – 64 °C water (according to Karl Fischer) ..... max. 0,1 % iron (Fe) ..... max. 0,001 % R: 23/24/25-33 S: 28-36/37-44 disposal: 7	WG. *2922*	25 g	34,–	28,90	27,20	2
35834 A 6.1/21E C 6.1 2811 2	**4-Bromoaniline** min. 99% PESTANAL® *4-Bromoaniline / 4-Bromoanilina* $H_2NC_6H_4Br$ C_6H_6BrN $M = 172{,}02$ g/mol R: 23/24/25-33 S: 28-36/37-44 disposal: 7	FL. *2922*	5 g	21,50	18,30	17,20	16
65189 A 6.1/21E C 6.1 2811 2	**4-Bromoaniline** PROSYNTH® *4-Bromoaniline / 4-Bromoanilina* $BrC_6H_4NH_2$ C_6H_6BrN $M = 172{,}02$ g/mol assay (GC) ..... 98 % melting range ..... 61 – 64 °C R: 23/24/25-33 S: 28-36/37-44 disposal: 7	WG. *2922*	100 g	52,50	44,65	42,–	39
62171 C 6.1 2908 2	**2-Bromoanisole** PROSYNTH® *2-Bromoanisole / 2-Bromoanisol* $BrC_6H_4OCH_3$ C_7H_7BrO $M = 187{,}04$ g/mol assay (GC) ..... 99 % boiling range ..... 220 – 223 °C refractive index (n_D^{20}) 1,573	FL. *2908*	100 ml	133,–	113,05	106,40	99,
62172 C 6.1 2908 2	**3-Bromoanisole** PROSYNTH® *3-Bromoanisole / 3-Bromoanisol* $BrC_6H_4OCH_3$ C_7H_7BrO $M = 187{,}04$ g/mol assay (GC) ..... 98 % boiling range ..... 211 – 213 °C refractive index (n_D^{20}) 1,563	FL. *2908*	100 ml	140,–	119,–	112,–	105,
60381 A 3/4 +98 °C	**4-Bromoanisole** PROSYNTH® *4-Bromoanisol / 4-Bromoanisol* $BrC_6H_4OCH_3$ C_7H_7BrO $M = 187{,}04$ g/mol assay (GC) ..... 98 % boiling range ..... 220 – 223 °C refractive index (n_D^{20}) 1,564	FL. *2908*	100 ml	23,–	19,55	18,40	17,2
63261 C 6.1 2902 2	**9-Bromoanthracene** PROSYNTH® *9-Bromoanthracène / 9-Bromoantraceno* $C_{14}H_9Br$ $M = 257{,}13$ g/mol assay (HPLC) ..... 95 % melting range ..... 96 – 98 °C	WG. *2902*	10 g	28,50	24,25	22,80	21,4

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Number DR GGVS CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	2-Bromobenzaldehyde PROSYNTH® *2-Bromobenzaldéhyde / 2-Bromobenzaldehido* BrC_6H_4CHO C_7H_5BrO M = 185,02 g/mol **1 L ≈ 1,60 kg** assay (GC) ..... 97 % boiling range ..... 228–230 °C refractive index (n_D^{20}) 1,596	FL. *2912*	**50 ml**	130,–	110,50	104,–	97,50
	3-Bromobenzaldehyde PROSYNTH® *3-Bromobenzaldéhyde / 3-Bromobenzaldehido* BrC_6H_4CHO C_7H_5BrO M = 185,02 g/mol **1 L ≈ 1,57 kg** assay (GC) ..... 98 % boiling range ..... 233–236 °C refractive index (n_D^{20}) 1,593	FL. *2912*	**50 ml**	36,–	30,60	28,80	27,–
5	**4-Bromobenzaldehyde** PROSYNTH® *4-Bromobenzaldéhyde / 4-Bromobenzaldehido* BrC_6H_4CHO C_7H_5BrO M = 185,02 g/mol assay (GC) ..... 98 % melting range ..... 55–57 °C keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	WG. *2912*	**10 g**	35,–	29,75	28,–	26,25
68 3 l 2514 3 °C	**Bromobenzene** PROSYNTH® *Bromobenzène / Bromobenceno* C_6H_5Br M = 157,01 g/mol **1 L ≈ 1,49 kg** assay (GC) ..... 99 % boiling range ..... 153–155 °C refractive index (n_D^{20}) ..... 1,559 R: 10-38 disposal: 7	FL. FL. *2902*	**500 ml** **2,5 L**	37,25 148,50	31,65 123,25	29,80 115,85	28,70 111,40
039 Y3 3 2514 3 1 °C	**Bromobenzene-d_5** deuteration degree not less than 99 atom % D *Bromobenzène-d_5 / Bromoceno-d_5* C_6D_5Br M = 161,97 g/mol **1 L ≈ 1,55 kg** R: 10-38 disposal: 7	A. *2851*	**10 ml**	186,–	158,10	148,80	139,50
675	**4-Bromobenzhydrol** PROSYNTH® *4-Bromobenzhydrol / 4-Bromobenzhidrol* $BrC_6H_4CH(OH)C_6H_5$ $C_{13}H_{11}BrO$ M = 263,13 g/mol assay (GC) ..... 95 % melting range ..... 60–63 °C	WG. *2905*	**50 g**	28,75	24,45	23,–	21,55
2176	**2-Bromobenzoic acid** PROSYNTH® *Acide 2-bromobenzoïque / Acido 2-bromobenzóico* BrC_6H_4COOH $C_7H_5BrO_2$ M = 201,02 g/mol assay (alkalimetric) ..... 98 % melting range ..... 147–150 °C	PF. *2914*	**25 g**	15,50	13,20	12,40	11,65
2177	**3-Bromobenzoic acid** PROSYNTH® *Acide 3-bromobenzoïque / Acido 3-bromobenzóico* BrC_6H_4COOH $C_7H_5BrO_2$ M = 201,02 g/mol assay (alkalimetric) ..... 99 % melting range ..... 154–156 °C	WG. WG. *2914*	† **10 g** **100 g**	18,– 125,–	15,30 106,25	100,–	93,75
62178	**4-Bromobenzoic acid** PROSYNTH® *Acide 4-bromobenzoïque / Acido 4-bromobenzóico* BrC_6H_4COOH $C_7H_5BrO_2$ M = 201,02 g/mol assay (alkalimetric) ..... 98 % melting range ..... 252–255 °C	WG. *2914*	**25 g**	40,–	34,–	32,–	30,–
	4-Bromobenzoic acid chloride see 4-Bromobenzoyl chloride						

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	3-Bromobenzoic acid nitrile see 3-Bromobenzonitrile						
	4-Bromobenzoic acid nitrile see 4-Bromobenzonitrile						
62179 A 6.1/21A C 6.1 2811 1	**3-Bromobenzonitrile** PROSYNTH® *3-Bromobenzonitrile / 3-Bromobenzonitrilo* BrC_6H_4CN C_7H_4BrN M = 182,02 g/mol assay (GC) ..... 97 % melting range ..... 36–38 °C	WG. *2927*	10 g	70,–	59,50	56,–	
62180 A 6.1 21A C 6.1 2811 1	**4-Bromobenzonitrile** PROSYNTH® *4-Bromobenzonitrile / 4-Bromobenzonitrilo* BrC_6H_4CN C_7H_4BrN M = 182,02 g/mol assay (GC) ..... 97 % melting range ..... 111–113 °C	WG. *2927*	10 g	36,75	31,25	29,40	
61221 A 3/4 C 8 1760 2	**2-Bromobenzotrifluoride** PROSYNTH® *2-Bromobenzotrifluorure / 2-Bromobenzotrifluoruro* $BrC_6H_4CF_3$ $C_7H_4BrF_3$ M = 225,01 g/mol **1 L ≈ 1,66 kg** assay (GC) ..... 98 % boiling range ..... 166–168 °C refractive index (n_D^{20}) 1,482	FL. *2902*	50 ml	95,50	81,20	76,40	
61078 A 3/4 C 8 1760 2	**3-Bromobenzotrifluoride** PROSYNTH® *3-Bromobenzotrifluorure / 3-Bromobenzotrifluoruro* $BrC_6H_4CF_3$ $C_7H_4BrF_3$ M = 225,01 g/mol **1 L ≈ 1,63 kg** assay (GC) ..... 95 % boiling range ..... 154–156 °C refractive index (n_D^{20}) 1,473	FL. *2902*	100 ml	107,50	91,40	86,–	8
61295 A 8/22 C 8 1760 2	**4-Bromobenzotrifluoride** PROSYNTH® *4-Bromobenzotrifluorure / 4-Bromobenzotrifluoruro* $BrC_6H_4CF_3$ $C_7H_4BrF_3$ M = 225,01 g/mol **1 L ≈ 1,63 kg** assay (GC) ..... 98 % boiling range ..... 153–155 °C	FL. *2902*	5 ml	50,50	42,95	40,40	3
65190 A 8/22 C 8 1760 2	**2-Bromobenzoyl chloride** PROSYNTH® *2-Bromobenzoyle chlorure / 2-Bromobenzoilo cloruro* BrC_6H_4COCl C_7H_4BrClO M = 219,47 g/mol **1 L ≈ 1,67 kg** assay (GC) ..... 99 % boiling range (at 17 mbar) ..... 122–124 °C refractive index (n_D^{20}) ..... 1,595 R: 34 S: 26 disposal: 21	FL. *2914*	100 ml	436,–	370,60	348,80	32
64599 A 8/22 C 8 1760 2	**3-Bromobenzoyl chloride** PROSYNTH® *3-Bromobenzoyle chlorure / 3-Bromobenzoilo cloruro* BrC_6H_4COCl C_7H_4BrClO M = 219,47 g/mol **1 L ≈ 1,67 kg** assay ..... 98 % boiling range (at 24 mbar) ..... 130–132 °C refractive index ..... 1,595 R: 34 S: 26 disposal: 21	FL. *2914*	5 ml	36,75	31,25	29,40	27
62181 A 8/22 C 8 1759 2	**4-Bromobenzoyl chloride** PROSYNTH® *4-Bromobenzoyle chlorure / 4-Bromobenzoilo cloruro* BrC_6H_4COCl C_7H_4BrClO M = 219,47 g/mol **1 L ≈ 1,53 kg** assay ..... 98 % melting range ..... 37–40 °C R: 34 S: 26 disposal: 21	FL. *2914*	25 ml	54,50	46,35	43,60	40

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3	**2-Bromobenzyl alcohol** PROSYNTH® *Alcool 2-bromobenzylique / Alcohol 2-bromobencílico* $BrC_6H_4CH_2OH$ C_7H_7BrO M = 187,04 g/mol assay (GC) ..... 98% melting range ..... 78–80°	WG. *2905*	5 g	31,75	27,–	25,40	23,80
7	**2-Bromobenzyl bromide** PROSYNTH® *2-Bromobenzyle bromure / 2-Bromobencilo bromuro* $BrC_6H_4CH_2Br$ $C_7H_6Br_2$ M = 249,94 g/mol assay (GC) ..... 99% melting range ..... 30–32 °C keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	WG. WG. *2902*	† 10 g 100 g	19,– 135,–	16,15 114,75	 108,–	 101,25
93 */61K* 1693 3	**3-Bromobenzyl bromide** PROSYNTH® *3-Bromobenzyle bromure / 3-Bromobencilo bromuro* $BrC_6H_4CH_2Br$ $C_7H_6Br_2$ M = 249,93 g/mol assay (GC) ..... 97% melting range ..... 39–41 °C	WG. *2902*	25 g	69,–	58,65	55,20	51,75
82 1/62A 1759 2	**4-Bromobenzyl bromide** PROSYNTH® *4-Bromobenzyle bromure / 4-Bromobencilo bromuro* $BrC_6H_4CH_2Br$ $C_7H_6Br_2$ M = 249,93 g/mol assay (GC) ..... 99% melting range ..... 60-62 °C	WG. WG. *2902*	† 25 g 100 g	24,– 75,–	20,40 63,75	 60,–	 56,25
284	**4-Bromobiphenyl** PROSYNTH® *4-Bromobiphényle / 4-Bromobifenilo* $BrC_6H_4C_6H_5$ $C_{12}H_9Br$ M = 233,11 g/mol tpye analysis assay (GC) ..... 90% melting range ..... 85–87 °C	WG. *2902*	50 g	40,–	34,–	32,–	30,–
	4-Bromo-1-bromoacetylbenzene see ω,4-Dibromoacetophenone						
2809 3/3 3.3 1126 2 24 °C	**1-Bromobutane** *1-Bromobutane / 1-Bromobutano* $CH_3(CH_2)_3Br$ C_4H_9Br M = 137,02 g/mol **1 L ≈ 1,27 kg** assay (GC) ..... 99% density (D_4^{20}) ..... 1,275–1,276 R: 10 disposal: 7	FL. FL. EKL. F. *2902*	500 ml 1 L 35 kg 200 kg	27,– 49,–	22,95 41,65 price on request price on request	21,60 39,20	20,80 37,75
60070 A 3/3 C 3.2 2339 2 +21 °C	**2-Bromobutane** PROSYNTH® *2-Bromobutane / 2-Bromobutano* $CH_3CH_2CHBrCH_3$ C_4H_9Br M = 137,02 g/mol **1 L ≈ 1,26 kg** assay (GC) ..... 99% boiling range ..... 90–92 °C refractive index (n_D^{20}) ..... 1,436 R: 10 disposal: 7	FL. EKL. F. *2902*	500 ml 35 kg 200 kg	40,50	34,45 price on request price on request	32,40	31,20
	2-Bromobutanoic acid see 2-Bromobutyric acid						

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63975 A 3/1A C 3.2 1992 2 +13 °C	**1-Bromobutene-(2)** PROSYNTH® *1-Bromobutène-(2) / 1-Bromobuteno-(2)* $CH_3CH=CHCH_2Br$ C_4H_7Br M = 135,00 g/mol **1 L ≈ 1,34 kg** assay (GC) ..... 85 % assay of 2-bromobutene-(3) ..... 15 % keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 11 S: 9-16-33 disposal: 7	FL. *2902*	100 ml	68,—	57,80	54,40
64753	**α-Bromo-*iso*-butyric acid** PROSYNTH® *Acide α-bromo-iso-butyrique / Acido α-bromo-iso-butirico* $(CH_3)_2CBrCOOH$ $C_4H_7BrO_2$ M = 167,00 g/mol assay (alkalimetric) ..... 98 % melting range ..... 45—47 °C R: 20/21/22 S: 28 disposal: 21	WG. STP. *2914*	100 g 50 kg	43,75 price on request	37,20	35,—
62183 A 8/21A2 C 8 1760 2	**2-Bromobutyric acid** PROSYNTH® *Acide 2-bromobutyrique / Acido 2-bromobutírico* $CH_3CH_2CHBrCOOH$ $C_4H_7BrO_2$ M = 167,00 g/mol **1 L ≈ 1,57 kg** assay (alkalimetric) ..... 98 % boiling range (at 13 mbar) ..... 100—102 °C refractive index (n_D^{20}) 1,472	FL. *2914*	100 ml	13,75	11,70	11,—
62185 A 8/21A2 C 8 1760 2	**2-Bromo-γ-butyrolactone** PROSYNTH® *2-Bromo-γ-butyrolactone / 2-Bromo-γ-butirolactona* $CH_2CH_2CHBrCOO$ $C_4H_5BrO_2$ M = 164,99 g/mol **1 L ≈ 1,77 kg** assay (GC) ..... 97 % boiling range (at 13 mbar) ..... 127—130 °C refractive index (n_D^{20}) 1,509	FL. *2935*	100 ml	130,—	110,50	104,—
64337 A 6.1/21A C 6.1 1935 1	**4-Bromobutyronitrile** PROSYNTH® stabilized with sodium carbonate *4-Bromobutyronitrile / 4-Bromobutironitrilo* $NC(CH_2)_3Br$ C_4H_6BrN M = 148,00 g/mol **1 L ≈ 1,49 kg** assay (GC) ..... 97 % boiling range ..... 204—206 °C refractive index (n_D^{20}) 1,478	FL. *2927*	25 ml	117,—	99,45	93,60
64336 A 8/11 C 8 1760 2	**2-Bromobutyryl bromide** PROSYNTH® *2-Bromobutyryle bromure / 2-Bromobutirilo bromuro* $CH_3CH_2CHBrCOBr$ $C_4H_6Br_2O$ M = 229,90 g/mol **1 L ≈ 1,70 kg** assay ..... 95 % boiling range ..... 171—174 °C R: 36/37/38 S: 26 disposal: 21	FL. STP. *2914*	250 ml 50 kg	46,— price on request	39,10	36,80
64719 A 8/11A C 8 1760 2	**2-Bromo-*iso*-butyryl bromide** PROSYNTH® *2-Bromo-iso-butyryle bromure / 2-Bromo-iso-butirilo bromuro* $(CH_3)_2CBrCOBr$ $C_4H_6Br_2O$ M = 229,90 g/mol **1 L ≈ 1,83 kg** assay ..... 98 % boiling range ..... 161—164 °C refractive index (n_D^{20}) ..... 1,507 R: 36/37/38 S: 26 disposal: 21	FL. STP. *2914*	25 ml 50 kg	34,— price on request	28,90	27,20

refer explanations

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(+)-3-Bromocamphor PROSYNTH® *Bromo-(+)-3-camphre / (+)-3-Bromoalcanfor* $C_{10}H_{15}BrO$ *M* = 231,14 g/mol assay (GC) ..... 97 % melting range ..... 75—77 °C specific rotation $[(\alpha)]_D^{20}$, c = 5,3 in CH_3OH) ... +132° ±3°	WG. *2913*	100 g	43,—	36,55	34,40	32,25
(+)-3-Bromocamphor-8-sulphonic acid ammonium salt PROSYNTH® *Acide (+)-3-bromocampho-8-sulfonique sel d'ammonium / Acido (+)-3-bromocanfo-8-sulfónico sal amónica* $C_{10}H_{18}BrNO_4S$ *M* = 328,23 g/mol	FL. *2913*	10 g	58,—	49,30	46,40	43,50
9 **(+)-3-Bromocamphor-10-sulphonic acid monohydrate** PROSYNTH® *Acide (+)-bromo-3-camphosulfonique-10 monohydrate / Acido (+)-3-bromo-10-canfosulfónico monohidrato* $C_{10}H_{15}BrO_4S \cdot H_2O$ *M* = 329,21 g/mol assay (alkalimetric) ..... 98 % melting range ..... 118—120 °C specific rotation ($[\alpha]_D^{20}$, c = 0,5 in H_2O) (for water-free substance) ..... +98° ±2°	FL. *2913*	1 g	45,75	38,90	36,60	34,30
38 **(+)-3-Bromocamphor-8-sulphonic acid monohydrate** PROSYNTH® *Acide (+)-bromo-3-camphosulfonique-8 monohydrate / Acido (+)-3-bromo-8-canfosulfónico monohidrato* $C_{10}H_{15}BrO_4S \cdot H_2O$ *M* = 329,21 g/mol assay (alkalimetric) ..... 98 % melting range ..... 96—98 °C specific rotation ($[\alpha]_D^{20}$, c = 0,5 in H_2O) (for water-free substance) ..... +99° ±2°	FL. *2913*	1 g	45,75	38,90	36,60	34,30
348 **2-Bromocaproic acid** PROSYNTH® *Acide bromo-2-caproïque / Acido 2-bromocapróico* $CH_3(CH_2)_3CHBrCOOH$ $C_8H_{11}BrO_2$ *M* = 195,06 g/mol **1 L ≈ 1,37 kg**	FL. STP. *2914*	100 ml 50 kg	43,25 price on request	36,75	34,60	32,45
793 **N-Bromocaprolactame** PROSYNTH® *N-Bromocaprolactame / N-Bromocaprolactamo* $CH_2(CH_2)_4CONBr$ $C_6H_{10}BrNO$ *M* = 192,06 g/mol assay (ex Br) ..... 98 % melting range ..... 62—65 °C keep in refrigerator à stocker dans le refrigidaire almacenaje en la nevera	WG. *2935*	25 g	40,75	34,65	32,60	30,55
2188 **2-Bromochlorobenzene** PROSYNTH® *2-Bromochlorobenzène / 2-Bromoclorobenceno* C_6H_4BrCl *M* = 191,45 g/mol **1 L ≈ 1,66 kg** assay (GC) ..... 99 % boiling range ..... 203—205 °C refractive index (n_D^{20}) 1,581	FL. *2902*	100 ml	121,—	102,85	96,80	90,75
2189 **3-Bromochlorobenzene** PROSYNTH® *3-Bromochlorobenzène / 3-Bromoclorobenceno* C_6H_4BrCl *M* = 191,45 g/mol **1 L ≈ 1,62 kg** assay (GC) ..... 99 % boiling range ..... 196—197 °C refractive index (n_D^{20}) 1,577	FL. *2902*	100 ml	96,—	81,60	76,80	72,—
62190 **4-Bromochlorobenzene** PROSYNTH® *4-Bromochlorobenzène / 4-Bromoclorobenceno* C_6H_4BrCl *M* = 191,45 g/mol assay (GC) ..... 98 % melting range ..... 64—67 °C	PF. *2902*	1 kg	74,—	62,90	59,20	57,—

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64780 A 6.1/61A C 6.1 2810 2	**1-Bromo-2-chloroethane** PROSYNTH® *1-Bromo-2-chloroéthane / 1-Bromo-2-cloroetano* $ClCH_2CH_2Br$ C_2H_4BrCl $M = 143{,}41$ g/mol **1 L ≈ 1,73 kg** assay (GC) ..... 97% boiling range ..... 102—105 °C refractive index (n_D^{20}) ..... 1,489 R: 23/24/25 S: 25-44 disposal: 13	FL. *2902*	100 ml	29,50	25,10	23,60
35704	**7-Bromo-5-chloro-8-hydroxyquinoline** min. 99% PESTANAL® *7-Bromo-5-chloro-8-hydroxyquinoléine / 7-Bromo-5-cloro-8-hidroxiquinolina* $BrC_6HCl(OH)CH=CHCH=N$ $C_9H_5BrClNO$ $M = 258{,}50$ g/mol	FL. *2935*	1 g	14,25	12,10	11,40
22003	**7-Bromo-5-chloro-8-hydroxyquinoline** *7-Bromo-5-chloro-8-hydroxyquinoléine / 7-Bromo-5-cloro-8-hidroxiquinolina* $BrC_6HCl(OH)CH=CHCH=N$ $C_9H_5BrClNO$ $M = 258{,}50$ g/mol	BL. FTP. *2935*	1 kg 25 kg	price on request price on request		
64779 A 6.1/21A C 6.1 2810 2	**Bromochloromethane** PROSYNTH® *Bromochlorométhane / Bromoclorometano* CH_2BrCl $M = 129{,}38$ g/mol **1 L ≈ 1,93 kg** assay (GC) ..... 98% boiling range ..... 66—68 °C refractive index (n_D^{20}) ..... 1,483 R: 20 S: 24 disposal: 13	FL. *2902*	250 ml	28,50	24,25	22,80
63976 A 6.1/21K C 6.1 2811 2	**4-Bromo-3-chloronitrobenzene** PROSYNTH® *4-Bromo-3-chloronitrobenzène / 4-Bromo-3-cloronitrobenceno* $C_6H_3BrClNO_2$ $M = 236{,}45$ g/mol melting range ..... 59—62 °C R: 23/24/25-33 S: 28-37-44 disposal: 20	WG. *2903*	10 g	27,75	23,60	22,20
32711	**Bromochlorophenol blue** indicator *Bleu de bromochlorophénol / Azul de bromoclorofenol* $C_{19}H_{10}Br_2CCl_2O_5S$ $M = 581{,}06$ g/mol	WG. *2937*	5 g	33,25	28,25	26,60
62192 A 3/3 C 3.3 1993 2 +45 °C	**1-Bromo-3-chloropropane** PROSYNTH® *1-Bromo-3-chloropropane / 1-Bromo-3-cloropropano* $Br(CH_2)_3Cl$ C_3H_6BrCl $M = 157{,}44$ g/mol **1 L ≈ 1,60 kg** assay (GC) ..... 99% boiling range ..... 143—145 °C refractive index (n_D^{20}) ..... 1,486 R: 10-20/21/22 disposal: 7	FL. *2902*	250 ml	17,—	14,45	13,60
15391 A 3/3 C 3.3 1993 2 +45 °C	**1-Bromo-3-chloropropane** *1-Bromo-3-chloropropane / 1-Bromo-3-cloropropano* $Br(CH_2)_3Cl$ C_3H_6BrCl $M = 157{,}44$ g/mol **1 L ≈ 1,60 kg** assay (GC) ..... 99% boiling range ..... 143—145 °C refractive index (n_D^{20}) ..... 1,486 R: 10-20/21/22 disposal: 7	STP. F. *2902*	30 kg 200 kg	price on request price on request		

refer explanations

umber DR GGVS CODE (GGVSee)	Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
Bromocresol green indicator, Reag. Ph. Eur. I *Vert de bromocrésol / Verde de bromocresol* $C_{21}H_{14}Br_4O_5S$ $M = 698{,}02$ g/mol	FL. WG. WG. *2937*	1 g 5 g 25 g	10,75 32,75 139,—	9,15 27,85 118,15	8,60 26,20 111,20	8,05 24,55 104,25
Bromocresol green spray reagent for chromatography *Vert de bromocrésol / Verde de bromocresol* spray boxes of 330 ml R: 10	*3819*	1 pack	19,50	16,60	15,60	14,65
Bromocresol purple indicator, Reag. Ph. Eur. I *Pourpre de bromocrésol / Púrpura de bromocresol* $C_{21}H_{16}Br_2O_5S$ $M = 540{,}23$ g/mol	FL. WG. *2937*	5 g 25 g	11,75 37,50	10,— 31,90	9,40 30,—	8,80 28,15
4-Bromocumene PROSYNTH® *4-Bromocumène / 4-Bromocumeno* $BrC_6H_4CH(CH_3)_2$ $C_9H_{11}Br$ $M = 199{,}09$ g/mol **1 L ≈ 1,29 kg**	FL. *2902*	25 ml	78,50	66,75	62,80	58,90
Bromocyclobutane PROSYNTH® *Bromocyclobutane / Bromociclobutano* $CH_2CH_2CH_2CHBr$ C_4H_7Br $M = 135{,}00$ g/mol **1 L ≈ 1,43 kg** assay (GC) ..... 98% boiling range ..... 106—108 °C refractive index (n_D^{20}) ..... 1,479 R: 10 disposal: 7	A. *2902*	1 g	149,50	127,10	119,60	112,15
Bromocycloheptane PROSYNTH® *Bromocycloheptane / Bromocicloheptano* $CH_2(CH_2)_5CHBr$ $C_7H_{13}Br$ $M = 177{,}08$ g/mol **1 L ≈ 1,29 kg** assay (GC) ..... 97% boiling range (at 13 mbar) ..... 70—72 °C refractive index (n_D^{20}) 1,505	FL. *2902*	100 ml	216,—	183,60	172,80	162,—
Bromocyclohexane see Cyclohexyl bromide						
Bromocyclopentane see Cyclopentyl bromide						
Bromocyclopropane PROSYNTH® *Bromocyclopropane / Bromociclopropano* CH_2CH_2CHBr C_3H_5Br $M = 120{,}98$ g/mol **1 L ≈ 1,51 kg** assay (GC) ..... 98% refractive index (n_D^{20}) ..... 1,458 keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 11 S: 9-16-33 disposal: 7	FL. *2902*	5 ml	82,—	69,70	65,60	61,50
1-Bromodecane PROSYNTH® *1-Bromodécane / 1-Bromodecano* $CH_3(CH_2)_9Br$ $C_{10}H_{21}Br$ $M = 221{,}18$ g/mol **1 L ≈ 1,07 kg** assay (GC) ..... 97% boiling range ..... 236—238 °C refractive index (n_D^{20}) 1,455	FL. F. *2902*	250 ml 200 kg	22,—	18,70 price on request	17,60	16,50
2-Bromodecanoic acid PROSYNTH® *Acide 2-bromodécanoïque / Acido 2-bromodecanóico* $CH_3(CH_2)_7CHBrCOOH$ $C_{10}H_{19}BrO_2$ $M = 251{,}16$ g/mol **1 L ≈ 1,21 kg** assay (ex Br) ..... 98% boiling range (at 3 mbar) ..... 138—140 °C	FL. *2914*	50 ml	62,—	52,70	49,60	46,50

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)
39307	**5-Bromodeoxyuridine** BIOSYNTH® *5-Bromodésoxyuridine / 5-Bromodesoxiuridina* package of 250 mg $C_9H_{11}BrN_2O_5$ M = 307,10 g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	*2935*	1 pack	26,—	22,10	20,80
63955	**1-Bromo-3,4-dichlorobenzene** PROSYNTH® *1-Bromo-3-4-dichlorobenzène / 1-Bromo-3,4-diclorobenceno* $C_6H_3BrCl_2$ M = 225,90 g/mol assay (GC) ..... 97% melting range ..... 24—25 °C R: 20/21/22 S: 28 disposal: 7	FL. *2902*	25 g	26,25	22,30	21,—
64613 A 6.1/61A C 6.1 2810 2	**Bromodichloromethane** PROSYNTH® *Bromodichlorométhane / Bromodiclorometano* $CHBrCl_2$ M = 163,83 g/mol 1 L ≈ 1,99 kg assay (GC) ..... 97% boiling range ..... 87—90 °C refractive index (n_D^{20}) ..... 1,496 R: 20 S: 2-24/25 disposal: 13	FL. *2902*	10 ml	47,—	39,95	37,60
63262	**5-Bromo-2,4-dihydroxybenzoic acid** PROSYNTH® *Acide 5-bromo-2-4-dihydroxybenzoïque / Acido 5-bromo-2,4-dihidroxibenzóico* $(HO)_2C_6H_2BrCOOH$ $C_7H_5BrO_4$ M = 233,02 g/mol	WG. *2916*	10 g	28,25	24,—	22,60
64344 A 6.1/21E C 6.1 2811 2	**4-Bromo-N,N-dimethylaniline** PROSYNTH® *Bromo-4-N-N-diméthylaniline / 4-Bromo-N,N-dimetilanilina* $C_8H_{10}BrN$ M = 200,08 g/mol $BrC_6H_4N(CH_3)_2$ assay (GC) ..... 99% melting range ..... 53—55 °C R: 23/24/25-33 S: 28-37-44 disposal: 7	WG *2922*	100 g	69,—	58,65	55,20
	1-Bromo-2,4-dimethylbenzene see 4-Bromo-m-xylene					
	4-Bromo-1,2-dimethylbenzene see 4-Bromo-o-xylene					
	1-Bromo-2,6-dimethylbenzene see 2-Bromo-m-xylene					
64615 A 3/1A C 3.2 1993 2 +9°C	**1-Bromo-2,2-dimethylpropane** PROSYNTH® *1-Bromo-2-2-diméthylpropane / 1-Bromo-2,2-dimetilpropano* $(CH_3)_3CCH_2Br$ $C_5H_{11}Br$ M = 151,05 g/mol 1 L ≈ 1,19 kg assay (GC) ..... 97% boiling range ..... 104—106 °C refractive index (n_D^{20}) ..... 1,436 R: 11 S: 9-16-33 disposal: 7	FL. *2902*	5 ml	39,25	33,35	31,40
62196 A 6.1/61K C 6 1770 2	**Bromodiphenylmethane** PROSYNTH® *Bromodiphénylméthane / Bromodifenilmetano* $(C_6H_5)_2CHBr$ $C_{13}H_{11}Br$ M = 247,13 g/mol assay (GC) ..... 92% melting range ..... 38—40 °C	WG. *2902*	100 g	35,—	29,75	28,—

refer explanations

Number / DR / GGVS / CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
4	**1-Bromododecane** *Bromo-1-dodécane / 1-Bromododecano* $CH_3(CH_2)_{11}Br$ $C_{12}H_{25}Br$ $M = 249{,}23$ g/mol assay (GC) ..... 98 % boiling range (at 0,13 mbar) ..... 88–90 °C refractive index (n_D^{20}) 1,458	FL. 2902	1 L	55,–	46,75	44,–	42,35
21	**2-Bromododecanoic acid** PROSYNTH® *Acide 2-bromododécanoïque / Acido 2-bromododecanóico* $CH_3(CH_2)_9CHBrCOOH$ $C_{12}H_{23}BrO_2$ $M = 279{,}22$ g/mol assay (alkalimetric) ..... 99 % melting range ..... 30–32 °C	WG. 2914	25 g	43,75	37,20	35,–	32,80
37	**Bromoethane** PROSYNTH® *Bromoéthane / Bromoetano* C_2H_5Br $M = 108{,}97$ g/mol **1 L ≈ 1,46 kg** assay (GC) ..... 99 % boiling range ..... 37–39 °C refractive index (n_D^{20}) ..... 1,424 keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 20/21/22 S: 28 disposal: 7 1891 2	FL. FL. 2902	250 ml 1 L	18,– 57,50	15,30 48,90	14,40 46,–	13,50 44,30
29	**Bromoethane** chem. pure DAB 6 stabilized *Bromoéthane / Bromoetano* C_2H_5Br $M = 108{,}97$ g/mol **1 L ≈ 1,44 kg** assay (GC) ..... 98 % boiling range ..... 37–39 °C density (D_4^{20}) ..... 1,444 non-volatile matter ..... 0,01 % keep cool à stocker au frais consérvese frio R: 20/21/22 S: 28 disposal: 7 1891 2	FL. FL. EKL. 2902	250 ml 1 L 45 kg	18,75 60,– price on request	15,95 51,–	15,– 48,–	14,05 46,20
802	**Bromoethane** purified *Bromoéthane / Bromoetano* C_2H_5Br $M = 108{,}97$ g/mol **1 L ≈ 1,44 kg** assay (GC) ..... 98 % boiling range ..... 37–39 °C density (D_4^{20}) ..... 1,444 non-volatile matter ..... 0,01 % keep cool à stocker au frais consérvese frio R: 20/21/22 S: 28 disposal: 7 1891 2	FL. EKL. 2902	1 L 45 kg	46,50 price on request	39,55	37,20	35,80
3265	**2-Bromoethanesulphonic acid sodium salt** PROSYNTH® *Acide 2-bromoéthanesulfonique sel sodique / Acido 2-bromoetansulfónico sal sódica* $BrCH_2CH_2SO_3Na$ $C_2H_4BrNaO_3S$ $M = 211{,}01$ g/mol assay ..... 97 % melting range ..... 283–285 °C (disint.)	WG. 2903	100 g	54,50	46,35	43,60	40,90

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62167 A 6.1/12 B C 6.1 2810 2	**2-Bromoethanol** PROSYNTH® *2-Bromoéthanol / 2-Bromoetanol* $BrCH_2CH_2OH$ C_2H_5BrO $M = 124{,}96$ g/mol **1 L ≈ 1,76 kg** assay (GC) ..... 96 % boiling range ..... 148 – 150 °C refractive index (n_D^{20}) ..... 1,492 R: 26/27/28 S: 7/9-28-45 disposal: 7	FL. *2904*	100 ml	49,25	41,85	39,40	
62168	**2-Bromoethylammonium bromide** PROSYNTH® *2-Bromoéthylammonium bromure / 2-Bromoetilamonio bromuro* $BrCH_2CH_2NH_2 \cdot HBr$ $C_2H_7Br_2N$ $M = 204{,}89$ g/mol assay (ex Br) ..... 98 % melting range ..... 171 – 173 °C	WG. WG. *2922*	† 100 g 500 g	19,25 80,—	16,35 68,—	15,40 64,—	
	(2-Bromoethyl)-benzene see 2-Phenethyl bromide						
02885 A 8/11 C 8 1760	**2-Bromo-2-ethylbutyryl bromide** *2-Bromo-2-éthylbutyryle bromure / 2-Bromo-2-etilbutirilo bromuro* $(CH_3CH_2)_2CBrCOBr$ $C_6H_{10}Br_2O$ $M = 257{,}95$ g/mol **1 L ≈ 1,68 kg** assay ..... 96 % boiling point (at 13 mbar) ..... 74 °C	FL. *2914*	250 ml	56,50	48,05	45,20	4
64879 A 6.1/61F C 6.1 2810 2	**2-Bromoethyl chloroformate** PROSYNTH® *2-Bromoéthyle chloroformiate / 2-Bromoetilo cloroformiato* $ClCOOCH_2CH_2Br$ $C_3H_4BrClO_2$ $M = 187{,}42$ g/mol **1 L ≈ 1,75 kg** assay (ex Cl) ..... 97 % refractive index (n_D^{20}) ..... 1,478 keep in refrigerator à stocker dans le refrigidaire almacenaje en la nevera R: 36/37/38 S: 26 disposal: 7	FL. *2914*	10 ml	28,50	24,25	22,80	2
64674	**2-Bromoethylphenyl ether** PROSYNTH® *Ether 2-bromoéthylphénylique / Eter 2-bromoetilfenílico* $C_6H_5OCH_2CH_2Br$ C_8H_9BrO $M = 201{,}06$ g/mol assay (GC) ..... 98 % melting range ..... 31 – 34 °C	WG. *2908*	250 g	41,50	35,30	33,20	31
64331	**N-(2-Bromoethyl)-phthalimide** PROSYNTH® *N-(Bromo-2-éthyl)-phtalimide / N-(2-Bromoetil)-ftalimida* $BrCH_2CH_2NCOC_6H_4CO$ $C_{10}H_8BrNO_2$ $M = 254{,}08$ g/mol assay (HPLC) ..... 98 % melting range ..... 80 – 83 °C	WG. *2926*	100 g	104,—	88,40	83,20	78
35885	**Bromofenoxime** min. 99 % PESTANAL® (3,5-Dibromo-4-hydroxybenzaldehyde-O-[2,4-dinitrophenyl]-oxime) $HOBr_2C_6H_2CH=NOC_6H_3(NO_2)_2$ $C_{13}H_7Br_2N_3O_6$ $M = 461{,}02$ g/mol R: 20/22 S: 2-13 disposal: 7	FL. *2929*	1 g	28,25	24,—	22,60	21
63956	**2-Bromofluorene** PROSYNTH® *Bromo-2-fluorène / 2-Bromofluoreno* $C_6H_4CH_2C_6H_3Br$ $C_{13}H_9Br$ $M = 245{,}12$ g/mol assay (ex Br) ..... 95 % melting range ..... 107 – 108 °C	WG. *2902*	10 g	28,75	24,45	23,—	21

Number ADR E/GGVS G-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
2 62 2811 3	**9-Bromofluorene** PROSYNTH® *Bromo-9-fluorène / 9-Bromofluoreno* $C_6H_4CHBrC_6H_4$ $C_{13}H_9Br$ $M = 245{,}12$ g/mol assay (ex Br) ..... 98% melting range ..... 102–104 °C	WG. *2902*	10 g	27,25	23,15	21,80	20,45
33 /23C 1697 2	**ω-Bromo-4-fluoroacetophenone** PROSYNTH® *ω-Bromo-4-fluoroacétophénone / ω-Bromo-4-fluoroacetofenona* $FC_6H_4COCH_2Br$ C_8H_6BrFO $M = 217{,}04$ g/mol assay (GC) ..... 98% melting range ..... 47–49 °C	WG. *2913*	100 g	135,–	114,75	108,–	101,25
71 1/23C 1 2811 2	**3-Bromo-4-fluoroacetophenone** PROSYNTH® *Bromo-3-fluoro-4-acétophénone / 3-Bromo-4-fluoroacetofenona* $BrC_6H_3(COCH_3)F$ C_8H_6BrFO $M = 217{,}04$ g/mol assay (GC) ..... 99% melting range ..... 53–55 °C	WG. *2913*	100 g	114,50	97,35	91,60	85,90
172 1/23 1 2811 2	**3-Bromo-4-fluorobenzaldehyde** PROSYNTH® *Bromo-3-fluoro-4-benzaldéhyde / 3-Bromo-4-fluorobenzaldehído* $BrC_6H_3(CHO)F$ C_7H_4BrFO $M = 203{,}01$ g/mol assay (GC) ..... 99% melting range ..... 27–29 °C R: 23/24/25 S: 44 disposal: 14	WG. *2912*	100 g	114,50	97,35	91,60	85,90
287 3/3 3.3 1993 2 48 °C	**2-Bromofluorobenzene** PROSYNTH® *2-Bromofluorobenzène / 2-Bromofluorobenceno* C_6H_4BrF $M = 175{,}00$ g/mol **1 L ≈ 1,61 kg** assay (GC) ..... 98% boiling range ..... 155–157 °C refractive index (n_D^{20}) ..... 1,534 R: 10-20/21/22 disposal: 7	FL. *2902*	50 ml	78,–	66,30	62,40	58,50
1288 3/3 3.3 1993 2 46 °C	**3-Bromofluorobenzene** PROSYNTH® *3-Bromofluorobenzène / 3-Bromofluorobenceno* C_6H_4BrF $M = 175{,}00$ g/mol **1 L ≈ 1,60 kg** assay (GC) ..... 98% boiling range ..... 148–150 °C refractive index (n_D^{20}) ..... 1,527 R: 10-20/21/22 disposal: 7	FL. *2902*	50 ml	135,50	115,20	108,40	101,65
1047 3/3 3.3 1993 2 +53 °C	**4-Bromofluorobenzene** PROSYNTH® *4-Bromofluorobenzène / 4-Bromofluorobenceno* C_6H_4BrF $M = 175{,}00$ g/mol **1 L ≈ 1,59 kg** assay (GC) ..... 99% boiling range ..... 151–153 °C R: 10-20/21/22 disposal: 7	FL. *2902*	100 ml	28,–	23,80	22,40	21,–
01807 A 3/3 C 3.3 1993 2 +53 °C	**4-Bromofluorobenzene** *4-Bromofluorobenzène / 4-Bromofluorobenceno* C_6H_4BrF $M = 175{,}00$ g/mol **1 L ≈ 1,59 kg** assay (GC) ..... 99% boiling range ..... 151–153 °C R: 10-20/21/22 disposal: 7	EKS. F. *2902*	60 kg 250 kg	price on request price on request			

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61170 A 6.1/23 C 6.1 2811 2	**3-Bromo-4-fluorobenzoic acid** PROSYNTH® *Acide bromo-3-fluoro-4-benzoïque / Acido 3-bromo-4-fluorobenzóico* $BrC_6H_3(COOH)F$ $C_7H_4BrFO_2$ *M* = 219,01 g/mol assay (HPLC) ..... 99% melting range ..... 138–140 °C	WG. *2914*	25 g	104,–	88,40	83,20	
61173 A 6.1/23 C 6.1 2811 2	**3-Bromo-4-fluorobenzonitrile** PROSYNTH® *Bromo-3-fluoro-4-benzonitrile / 3-Bromo-4-fluorobenzonitrilo* $BrC_6H_3(CN)F$ C_7H_3BrFN *M* = 200,01 g/mol assay (GC) ..... 99% melting range ..... 53–55 °C R: 23/24/25 S: 44 disposal: 15	WG. *2927*	50 g	120,–	102,–	96,–	9
61174 A 6.1/23 C 6.1 2811 2	**3-Bromo-4-fluoronitrobenzene** PROSYNTH® *Bromo-3-fluoro-4-nitrobenzène / 3-Bromo-4-fluoronitrobenceno* $C_6H_3BrFNO_2$ *M* = 220,00 g/mol assay (GC) ..... 99% melting point ..... 55 °C R: 23/24/25 S: 44 disposal: 7	WG. *2903*	100 g	147,50	125,40	118,–	110
61294	**2-Bromo-4-fluorotoluene** PROSYNTH® *2-Bromo-4-fluorotoluène / 2-Bromo-4-fluorotolueno* $BrC_6H_3FCH_3$ C_7H_6BrF *M* = 189,03 g/mol 1 L ≈ 1,50 kg assay (GC) ..... 99% refractive index (n_D^{20}) 1,526	FL. *2902*	25 ml	45,–	38,25	36,–	33,
61293	**2-Bromo-5-fluorotoluene** PROSYNTH® *2-Bromo-5-fluorotoluène / 2-Bromo-5-fluorotolueno* $BrC_6H_3FCH_3$ C_7H_6BrF *M* = 189,03 g/mol 1 L ≈ 1,53 kg assay (GC) 95%	FL. *2902*	25 ml	207,–	175,95	165,60	155,
33061 A 6.1/61A C 6.1 2515 3	**Bromoform** (D_4^{20}) 2,870-2,890 for the separation of mineral compounds *Bromoforme / Bromoformo* $CHBr_3$ *M* = 252,73 g/mol 1 L ≈ 2,90 kg refractive index (n_D^{20}) ..... 1,5970–1,5990 non-volatile matter ..... max. 0,1% R: 23-36/38 S: 28-44 disposal: 13	FL. FL. *2902*	100 ml 1 L	40,– 301,–	34,– 255,85	32,– 240,80	30,– 231,7
02807 A 6.1/61A C 6.1 2515 3	**Bromoform** chem. pure DAB 6 *Bromoforme / Bromoformo* $CHBr_3$ *M* = 252,73 g/mol 1 L ≈ 2,81 kg congealing point ..... +5 °C boiling range ..... 148–150 °C density (D_4^{20}) ..... 2,814–2,818 non-volatile matter ..... 0,01% R: 23-36/38 S: 28-44 disposal: 13	FL. FL. STP. *2902*	250 ml 1 L 70 kg	38,50 130,– kg	32,75 110,50 23,–	30,80 104,–	28,9 100,1
02808 A 6.1/61A C 6.1 2515 3	**Bromoform** (D_4^{20}) 2,81-2,83, for coal flotation *Bromoforme / Bromoformo* $CHBr_3$ *M* = 252,73 g/mol 1 L ≈ 2,81 kg R: 23-36/38 S: 28-44 disposal: 13	FL. STP. STP. *2902*	1 L 70 kg 5x	118,– kg kg	100,30 23,50 22,50	94,40	90,85

refer explanations

-Number ADR E/GGVS G-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
40 */61A* *2515 3*	**Bromoform-d** deuteration degree not less than 99,5 atom % D *Bromoforme-d / Bromoformo-d* $CDBr_3$ $M = 253{,}72$ g/mol **1 L ≈ 2,91 kg** R: 23-36/38 S: 28-44 disposal: 13	A. *2851*	10 ml	130,—	110,50	104,—	97,50
100	**5-Bromofuran-2-carboxylic acid** PROSYNTH® *Acide bromo-5-furane-2-carboxylique / Acido 5-bromofurano-2-carboxilico* $C_5H_3BrO_3$ $M = 190{,}98$ g/mol assay (alkalimetric) ..... 99% melting range ..... 189—190 °C	WG. *2935*	25 g	69,—	58,65	55,20	51,75
201 */3* *3 1993 2* *1 °C*	**1-Bromoheptane** PROSYNTH® *1-Bromoheptane / 1-Bromoheptano* $CH_3(CH_2)_6Br$ $C_7H_{15}Br$ $M = 179{,}11$ g/mol **1 L ≈ 1,14 kg** assay (GC) ..... 97% R: 10 disposal: 7	FL. FL. F. *2902*	† 100 ml 500 ml 200 kg	10,— 40,—	8,50 34,—	32,—	30,80
202 */3* *.3 1993 2* *4 °C*	**2-Bromoheptane** PROSYNTH® *2-Bromoheptane / 2-Bromoheptano* $CH_3(CH_2)_4CHBrCH_3$ $C_7H_{15}Br$ $M = 179{,}10$ g/mol **1 L ≈ 1,13 kg** assay (GC) ..... 97% boiling range (at 27 mbar) ..... 62—64 °C refractive index (n_D^{20}) ..... 1,447 R: 10 disposal: 7	FL. *2902*	100 ml	89,50	76,10	71,60	67,15
4633	**2-Bromoheptanoic acid** PROSYNTH® *Acide 2-bromoheptanoïque / Acido 2-bromoheptanóico* $CH_3(CH_2)_4CHBrCOOH$ $C_7H_{13}BrO_2$ $M = 209{,}08$ g/mol **1 L ≈ 1,33 kg**	FL. *2914*	100 ml	70,—	59,50	56,—	52,50
2203	**1-Bromohexadecane** PROSYNTH® *1-Bromohexadécane / 1-Bromohexadecano* $CH_3(CH_2)_{15}Br$ $C_{16}H_{33}Br$ $M = 305{,}34$ g/mol **1 L ≈ 0,99 kg** assay (GC) ..... 96% melting range ..... 16—17 °C	FL. *2902*	500 ml	35,25	29,95	28,20	27,15
4637	**2-Bromohexadecanoic acid** PROSYNTH® *Acide 2-bromohexadécanoïque / Acido 2-bromohexadecanóico* $CH_3(CH_2)_{13}CHBrCOOH$ $C_{16}H_{31}BrO_2$ $M = 335{,}32$ g/mol assay (GC) ..... 97% melting range ..... 51—53 °C	WG. *2914*	50 g	37,75	32,10	30,20	28,30
2204 *3/3* *3.3 1993 2* *35 °C*	**1-Bromohexane** PROSYNTH® *1-Bromohexane / 1-Bromohexano* $CH_3(CH_2)_5Br$ $C_6H_{13}Br$ $M = 165{,}07$ g/mol **1 L ≈ 1,17 kg** assay (GC) ..... 99% boiling range ..... 154—156 °C refractive index (n_D^{20}) ..... 1,448 R: 10 disposal: 7	FL. *2902*	1 L	40,—	34,—	32,—	30,80
02870 *A 3/3* *C 3.3 1993 2* *+44 °C*	**1-Bromohexane** min. 99% *1-Bromohexane / 1-Bromohexano* $CH_3(CH_2)_5Br$ $C_6H_{13}Br$ $M = 165{,}07$ g/mol **1 L ≈ 1,17 kg** assay (GC) ..... 99% boiling range ..... 154—156 °C refractive index (n_D^{20}) ..... 1,448 R: 10 disposal: 7	F. *2902*	200 kg	price on request			

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	
63266 A 3/3 C 3.3 1993 2 +46 °C	**3-Bromohexane** PROSYNTH® *3-Bromohexane / 3-Bromohexano* $CH_3CH_2CH_2CHBrCH_2CH_3$ $C_6H_{13}Br$ $M = 165{,}08$ g/mol **1 L ≈ 1,17 kg** assay (GC) ..... 97 % boiling range ..... 140—142 °C refractive index (n_D^{20}) ..... 1,447 R: 10 disposal: 7	FL. *2902*	50 ml	54,50	46,35	43,60	
	2-Bromohexanoic acid see 2-Bromocaproic acid						
64647 A 3/3 C 3.3 1993 2 +33 °C	**6-Bromo-1-hexene** PROSYNTH® *6-Bromo-1-hexène / 6-Bromo-1-hexeno* $Br(CH_2)_4CH=CH_2$ $C_6H_{11}Br$ $M = 163{,}06$ g/mol **1 L ≈ 1,22 kg** assay (GC) ..... 95 % boiling range (at 21 mbar) ..... 47—50 °C refractive index (n_D^{20}) ..... 1,466 R: 10 disposal: 7	FL. *2902*	5 ml	37,75	32,10	30,20	2
	4-Bromo-1-hydroxybenzene see 4-Bromophenol						
	5-Bromo-4-hydroxy-5-methoxy-α-oxotoluene see 5-Bromovanillin						
	1-Bromo-2-hydroxynaphthalene see 1-Bromonaphthol-(2)						
	6-Bromo-2-hydroxynaphthalene see 6-Bromonaphthol-(2)						
64650	**5-Bromo-2-hydroxy-3-nitropyridine** PROSYNTH® *5-Bromo-2-hydroxy-3-nitropyridine / 5-Bromo-2-hidroxi-3-nitropiridina* $N=C(OH)C(NO_2)=CHCH=CBr$ $C_5H_3BrN_2O_3$ $M = 218{,}99$ g/mol assay ..... 97 % melting range ..... 243—245 °C	FL. *2935*	1 g	17,50	14,90	14,—	13
64653	**2-Bromo-3-hydroxypyridine** PROSYNTH® *2-Bromo-3-hydroxypyridine / 2-Bromo-3-hidroxipiridina* $N=CBrC(OH)=CHCH=CH$ C_5H_4BrNO $M = 174{,}00$ g/mol assay ..... 97 % melting range ..... 185—187 °C	WG. *2935*	10 g	54,50	46,35	43,60	40
64656	**5-Bromoindole** PROSYNTH® *5-Bromoindole / 5-Bromoindol* $BrC_6H_3NHCH=CH$ C_8H_6BrN $M = 196{,}05$ g/mol assay (ex Br) ..... 98 % melting range ..... 86—88 °C	WG. *2935*	10 g	54,—	45,90	43,20	40
39308	**5-Bromoindoxyl acetate** BIOSYNTH® *Bromo-5-indoxyle acétate / 5-Bromoindoxilo acetato* package of 100 mg $BrC_6H_3NHCH=COCOCH_3$ $C_{10}H_8BrNO_2$ $M = 254{,}08$ g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	*2935*	1 pack	17,50	14,90	14,—	13,
63267	**4-Bromoiodobenzene** PROSYNTH® *4-Bromoiodobenzène / 4-Bromoyodobenceno* C_6H_4BrJ $M = 282{,}91$ g/mol assay (GC) ..... 99 % melting range ..... 90—92 °C	WG. *2902*	10 g	38,50	32,75	30,80	28,

refer explanations

Number ADR /GGVS -CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
7	**5-Bromoisatine** PROSYNTH® *5-Bromoisatine / 5-Bromoisatina* $BrC_6H_3COCONH$ $C_8H_4BrNO_2$ $M = 226{,}03$ g/mol assay (HPLC) ..... 97% melting range ..... 245—247 °C (disint.)	PF. 2935	100 g	24,75	23,—		
11	**2-Bromoisovaleryl bromide** *Acide 2-bromoisovalérique-bromure / Acido 2-bromo-isovalérico-bromuro* $(CH_3)_2CHCHBrCOBr$ $C_5H_8Br_2O$ $M = 243{,}93$ g/mol **1 L ≈ 1,76 kg** assay (ex Br) ..... 99% boiling range (at 22 mbar) ..... 67—68 °C	FL. 2935	10 g	price on request			
94	**4-Bromomandelic acid** R. G. *Acide 4-bromomandélique / Acido 4-bromoamigdálico* $BrC_6H_4CHOHCOOH$ $C_8H_8BrO_3$ $M = 232{,}05$ g/mol assay ..... min. 99% melting range ..... 116—118 °C	WG. 2916	10 g	42,75	36,35	34,20	32,05
	2-Bromo-1-mercaptobenzene see 2-Bromothiophenol						
205	**2-Bromomesitylene** PROSYNTH® *2-Bromomésitylène / 2-Bromomesitileno* $(CH_3)_3C_6H_2Br$ $C_9H_{11}Br$ $M = 199{,}09$ g/mol **1 L ≈ 1,32 kg** assay (GC) ..... 99% boiling range ..... 223—225 °C refractive index (n_D^{20}) 1,551	FL. 2902	100 ml	27,—	22,95	21,60	20,25
072 /11AT 1062	**Bromomethane** PROSYNTH® *Bromométhane / Bromometano* ampoule of 100 g CH_3Br $M = 94{,}94$ g/mol assay (GC) ..... 99% boiling range ..... 3—5 °C R: 26 S: 1/2-7/9-24/25-27-45 disposal: 13	2902	1 pack	52,50	44,65	42,—	39,40
	2-Bromo-1-methoxybenzene see 2-Bromoanisole						
	3-Bromo-1-methoxybenzene see 3-Bromoanisole						
	4-Bromo-2-methylaniline see 2-Amino-5-bromotoluene						
	4-Bromo-3-methylaniline see 5-Amino-2-bromotoluene						
	2-Bromo-1-methylbenzene see 2-Bromotoluene						
	3-Bromo-1-methylbenzene see 3-Bromotoluene						
	4-Bromo-1-methylbenzene see 4-Bromotoluene						
4351	**4-Bromomethylbenzoic acid** PROSYNTH® *Acide bromométhyl-4-benzoïque / Acido 4-bromometilbenzóico* $BrCH_2C_6H_4COOH$ $C_8H_7BrO_2$ $M = 215{,}05$ g/mol assay (alkalimetric) ..... 98% melting range ..... 223—225 °C	WG. 2914	25 g	106,50	90,55	85,20	79,90
4829 6.1/21 6.1 2811 2	**4-Bromomethylbenzonitrile** PROSYNTH® *4-Bromométhylbenzonitrile / 4-Bromometilbenzonitrilo* $NCC_6H_4CH_2Br$ C_8H_6BrN $M = 196{,}05$ g/mol assay (ex Br) ..... 98% melting range ..... 114—117 °C R: 23/24/25 S: 44 disposal: 15	WG. WG. 2927	† 5 g 25 g	25,— 90,—	21,25 76,50	72,—	67,50

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	
60073 A 3/3 C 3.2 2341 2 +21 °C	**1-Bromo-3-methylbutane** PROSYNTH® *1-Bromo-3-méthylbutane / 1-Bromo-3-metilbutano* $(CH_3)_2CHCH_2CH_2Br$ $C_5H_{11}Br$ $M = 151{,}05$ g/mol **1 L ≈ 1,21 kg** assay (GC) ..... 98 % boiling range ..... 118–120 °C refractive index (n_D^{20}) ..... 1,442 R: 10 disposal: 7	FL. F. *2902*	500 ml 200 kg	66,– price on request	56,10	52,80	
63269	**1-Bromo-2-methylnaphthalene** PROSYNTH® *1-Bromo-2-méthylnaphtalène / 1-Bromo-2-metilnaftaleno* $BrC_{10}H_6CH_3$ $C_{11}H_9Br$ $M = 221{,}10$ g/mol **1 L ≈ 1,45 kg** assay (GC) ..... 98 % boiling range (at 19 mbar) ..... 153–156 °C refractive index (n_D^{20}) 1,648	FL. *2902*	100 ml	144,–	122,40	115,20	1
64762	**1-Bromo-4-methylnaphthalene** PROSYNTH® *1-Bromo-4-méthylnaphtalène / 1-Bromo-4-metilnaftaleno* $BrC_{10}H_6CH_3$ $C_{11}H_9Br$ $M = 221{,}10$ g/mol **1 L ≈ 1,45 kg** assay ..... 97 % boiling range (at 16 mbar) ..... 162–164 °C refractive index (n_D^{20}) 1,651	FL. *2902*	10 ml	46,50	39,55	37,20	3
60074 A 3/3 C 3.2 2342 2 +22 °C	**1-Bromo-2-methylpropane** PROSYNTH® *1-Bromo-2-méthylpropane / 1-Bromo-2-metilpropano* $(CH_3)_2CHCH_2Br$ C_4H_9Br $M = 137{,}02$ g/mol **1 L ≈ 1,26 kg** assay (GC) ..... 99 % boiling range ..... 90–92 °C refractive index (n_D^{20}) ..... 1,436 R: 10 disposal: 7	FL. *2902*	500 ml	26,75	22,75	21,40	2
60075 A 3/1A C 3.2 2342 2 +16 °C	**2-Bromo-2-methylpropane** PROSYNTH® *2-Bromo-2-méthylpropane / 2-Bromo-2-metilpropano* $(CH_3)_3CBr$ C_4H_9Br $M = 137{,}02$ g/mol **1 L ≈ 1,23 kg** assay (GC) ..... 98 % boiling range ..... 71–73 °C refractive index (n_D^{20}) ..... 1,428 R: 11 S: 9-16-33 disposal: 7	FL. *2902*	500 ml	58,–	49,30	46,40	4
64826 A 6.1/23 C 6.1 2811 2	**1-Bromo-2-naphthaldehyde** PROSYNTH® *1-Bromo-2-naphtaldéhyde / 1-Bromo-2-naftaldehido* $BrC_{10}H_6CHO$ $C_{11}H_7BrO$ $M = 235{,}08$ g/mol assay ..... 95 % melting range ..... 114–116 °C	FL. *2912*	1 g	44,75	38,05	35,80	33
02805	**1-Bromonaphthalene** *1-Bromonaphtalène / 1-Bromonaftaleno* $C_{10}H_7Br$ $M = 207{,}07$ g/mol **1 L ≈ 1,48 kg**	FL. FL. *2902*	100 ml 500 ml	21,– 82,50	17,85 70,15	16,80 66,–	15 63
64771	**2-Bromonaphthalene** PROSYNTH® *2-Bromonaphtalène / 2-Bromonaftaleno* $C_{10}H_7Br$ $M = 207{,}07$ g/mol assay (GC) ..... 98 % melting range ..... 54–56 °C	WG. *2902*	5 g	43,75	37,20	35,–	32
62207	**1-Bromonaphthol-(2)** PROSYNTH® *1-Bromonaphtol-(2) / 1-Bromonaftol-(2)* $BrC_{10}H_6OH$ $C_{10}H_7BrO$ $M = 223{,}07$ g/mol assay (GC) ..... 98 % melting range ..... 75–78 °C	WG. *2907*	100 g	72,50	61,65	58,–	54

refer explanations

umber R GGVS CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	6-Bromo-2-naphthyl-β-D-galactopyranoside BIOSYNTH® *Bromo-6-naphtyl-2-β-D-galactopyranoside / 6-Bromo-2-naftil-β-D-galactopiranósido* package of 100 mg $OCH(CH_2OH)(CHOH)_3CHOC_{10}H_6Br$ $C_{16}H_{17}BrO_6$ $M = 385{,}21$ g/mol	*2935*	1 pack	64,—	54,40	51,20	48,—
	6-Bromo-2-naphthyl-β-D-glucopyranoside BIOSYNTH® *Bromo-6-naphtyl-2-β-D-glucopyranoside / 6-Bromo-2-naftil-β-D-glucopiranósido* package of 250 mg $OCH(CH_2OH)(CHOH)_3CHOC_{10}H_6Br$ $C_{16}H_{17}BrO_6$ $M = 385{,}21$ g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	*2935*	1 pack	142,—	120,70	113,60	106,50
3 *21F* 2811 2	**2-Bromo-4-nitroaniline** PROSYNTH® *Bromo-2-nitro-4-aniline / 2-Bromo-4-nitroanilina* $NO_2C_6H_3BrNH_2$ $C_6H_5BrN_2O_2$ $M = 217{,}02$ g/mol assay (HPLC) ..... 98% melting range ..... 101—103 °C R: 26/27/28-33 S: 28-36/37-45 disposal: 20	WG. *2922*	100 g	60,—	51,—	48,—	45,—
57	**2-Bromo-4-nitroanisole** PROSYNTH® *2-Bromo-4-nitroanisole / 2-Bromo-4-nitroanisol* $BrC_6H_3(NO_2)OCH_3$ $C_7H_6BrNO_3$ $M = 232{,}03$ g/mol assay (GC) ..... 95% melting range ..... 103—105 °C	WG. *2908*	10 g	30,75	26,15	24,60	23,05
58	**2-Bromo-5-nitroanisole** PROSYNTH® *2-Bromo-5-nitroanisole / 2-Bromo-5-nitroanisol* $BrC_6H_3(NO_2)OCH_3$ $C_7H_6BrNO_3$ $M = 232{,}03$ g/mol assay (GC) ..... 98% melting range ..... 102—105 °C	WG. *2908*	10 g	31,75	27,—	25,40	23,80
959	**4-Bromo-3-nitroanisole** PROSYNTH® *4-Bromo-3-nitroanisole / 4-Bromo-3-nitroanisol* $BrC_6H_3(NO_2)OCH_3$ $C_7H_6BrNO_3$ $M = 232{,}03$ g/mol assay (GC) ..... 98% melting range ..... 29—32 °C	FL. *2908*	10 g	27,—	22,95	21,60	20,25
209 6.1/21K 6.1 2811 2	**2-Bromonitrobenzene** PROSYNTH® *2-Bromonitrobenzène / 2-Bromonitrobenceno* $C_6H_4BrNO_2$ $M = 202{,}01$ g/mol assay (GC) ..... 99% melting range ..... 40—42 °C keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 23/24/25-33 S: 28-37-44 disposal: 20	WG. WG. *2903*	50 g 1 kg	22,— 300,—	18,70 255,—	17,60 240,—	16,50 231,—
2210 6.1/21 K 6.1 2811 2	**3-Bromonitrobenzene** PROSYNTH® *3-Bromonitrobenzène / 3-Bromonitrobenceno* $C_6H_4BrNO_2$ $M = 202{,}01$ g/mol assay (GC) ..... 98% melting range ..... 54—56 °C R: 23/24/25-33 S: 28-37-44 disposal: 20	WG. STPB. *2903*	100 g 35 kg	60,—	51,—	48,—	45,—
	2-Bromo-4-nitro-1-methoxybenzene see 2-Bromo-4-nitroanisole						

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	(16
	4-Bromo-3-nitro-1-methoxybenzene see 4-Bromo-3-nitroanisole						
	6-Bromo-3-nitro-1-methoxybenzene see 2-Bromo-5-nitroanisole						
	2-Bromo-4-nitro-1-methylbenzene see 2-Bromo-4-nitrotoluene						
63270	**2-Bromo-4-nitrotoluene** PROSYNTH® *2-Bromo-4-nitrotoluène / 2-Bromo-4-nitrotolueno* $CH_3C_6H_3BrNO_2$ $C_7H_6BrNO_2$ M = 216,03 g/mol assay (GC) ..... 98 % melting range ..... 76 – 78 °C R: 23/24/25-33 S: 28-37-44 disposal: 20	WG. *2903*	25 g	29,50	25,10	23,60	2
62553	**2-Bromo-5-nitrotoluene** PROSYNTH® *2-Bromo-5-nitrotoluène / 2-Bromo-5-nitrotolueno* $CH_3C_6H_3(NO_2)Br$ $C_7H_6BrNO_2$ M = 216,03 g/mol assay (GC) ..... 99 % melting range ..... 77 – 79 °C R: 23/24/25-33 S: 28-37-44 disposal: 20	WG. *2903*	10 g	34,—	28,90	27,20	25
65203 A 6.1/21K C 6.1 • 2433 3	**2-Bromo-6-nitrotoluene** PROSYNTH® *2-Bromo-6-nitrotoluène / 2-Bromo-6-nitrotolueno* $CH_3C_6H_3(NO_2)Br$ $C_7H_6BrNO_2$ M = 216,03 g/mol melting range ..... 36 – 38 °C R: 23/24/25-33 S: 28-37-44 disposal: 20	FL. *2903*	50 g	price on request			
62586	**4-Bromo-2-nitrotoluene** PROSYNTH® *4-Bromo-2-nitrotoluène / 4-Bromo-2-nitrotolueno* $CH_3C_6H_3(NO_2)Br$ $C_7H_6BrNO_2$ M = 216,03 g/mol assay (GC) ..... 99 % melting range ..... 45 – 47 °C R: 23/24/25-33 S: 28-37-44 disposal: 20	WG. *2903*	10 g	34,—	28,90	27,20	25,9
62614	**4-Bromo-3-nitrotoluene** PROSYNTH® *4-Bromo-3-nitrotoluène / 4-Bromo-3-nitrotolueno* $CH_3C_6H_3(NO_2)Br$ $C_7H_6BrNO_2$ M = 216,03 g/mol assay (GC) ..... 98 % melting range ..... 29 – 31 °C R: 23/24/25-33 S: 28-37-44 disposal: 20	WG. *2903*	10 g	56,50	48,05	45,20	42,4
62211 A 3/4 +90 °C	**1-Bromononane** PROSYNTH® *1-Bromononane / 1-Bromononano* $CH_3(CH_2)_8Br$ $C_9H_{19}Br$ M = 207,16 g/mol assay (GC) ..... 97 % 1 L ≈ 1,09 kg	FL. F. *2902*	100 ml 200 kg	30,—	25,50 price on request	24,—	22,5
64721	**2-Bromononanoic acid** PROSYNTH® *Acide 2-bromononanoïque / Acido 2-bromononanóico* $CH_3(CH_2)_6CHBrCOOH$ $C_9H_{17}BrO_2$ M = 237,14 g/mol 1 L ≈ 1,23 kg	FL. *2914*	25 ml	77,50	65,90	62,—	58,1
39313	**5-Bromouridine** BIOSYNTH® *5-Bromouridine / 5-Bromouridina* $C_9H_{11}BrN_2O_6$ M = 323,10 g/mol package of 100 mg	*2935*	1 pack	13,25	11,25	10,60	9,9

refer explanations

lumber OR GGVS CODE (GGVSee)	Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
1-Bromooctadecane PROSYNTH® *1-Bromooctadécane / 1-Bromooctadecano* $CH_3(CH_2)_{17}Br$ $C_{18}H_{37}Br$ $M = 333{,}39$ g/mol assay (GC) ..... 95% melting range ..... 25—28 °C	FL. F. *2902*	500 g 200 kg	43,75	37,20 price on request	35,—	33,70
7 **1-Bromooctane** PROSYNTH® *1-Bromooctane / 1-Bromooctano* $CH_3(CH_2)_7Br$ $C_8H_{17}Br$ $M = 193{,}13$ g/mol **1 L ≈ 1,12 kg** assay (GC) ..... 99% boiling range (at 13 mbar) ..... 75—77 °C refractive index (n_D^{20}) 1,452	FL. F. *2902*	500 ml 200 kg	25,—	21,25 price on request	20,—	19,25
26 **2-Bromooctanoic acid** PROSYNTH® *Acide 2-bromooctanoïque / Acido 2-bromooctanóico* $CH_3(CH_2)_5CHBrCOOH$ $C_8H_{15}BrO_2$ $M = 223{,}11$ g/mol **1 L ≈ 1,28 kg** assay (alkalimetric) ..... 97% boiling range (at 7 mbar) ..... 138—140 °C refractive index (n_D^{20}) 1,461	FL. *2914*	100 ml	56,—	47,60	44,80	42,—
30 **3-Bromo-2-oxobutyric acid** PROSYNTH® 21 *Acide 3-bromo-2-oxobutyrique / Acido 3-bromo-2-* 1759 2 *oxobutirico* $CH_3CHBrCOCOOH$ $C_4H_5BrO_3$ $M = 180{,}99$ g/mol	WG. *2916*	10 g	49,—	41,65	39,20	36,75
2-Bromo-α-oxotoluene see 2-Bromobenzaldehyde						
3-Bromo-α-oxotoluene see 3-Bromobenzaldehyde						
4-Bromo-α-oxotoluene see 4-Bromobenzaldehyde						
679 **1-Bromopentadecane** PROSYNTH® *1-Bromopentadécane / 1-Bromopentadecano* $CH_3(CH_2)_{14}Br$ $C_{15}H_{31}Br$ $M = 291{,}31$ g/mol **1 L ≈ 1,00 kg** assay (GC) ..... 98% boiling range (at 1,3 mbar) ..... 135—137 °C refractive index (n_D^{20}) 1,461	FL. *2902*	10 ml	25,75	21,90	20,60	19,30
Bromopentadeuterobenzene see Bromobenzene-D_5						
1201 **Bromopentafluorobenzene** PROSYNTH® 6.1/61K *Bromopentafluorobenzène / Bromopentafluorobenceno* 6.1 2810 3 C_6BrF_5 $M = 246{,}96$ g/mol **1 L ≈ 1,94 kg** assay (GC) ..... 99% boiling range ..... 138—140 °C refractive index (n_D^{20}) 1,449	FL. *2902*	50 ml	327,—	277,95	261,60	245,25
1474 α-**Bromo-2,3,4,5,6-pentafluorotoluene** PROSYNTH® 6.1/61K *α-Bromo-2-3-4-5-6-pentafluorotoluène / α-Bromo-2,3,4,5,6-* 8 1760 2 *pentafluorotolueno* $C_6F_5CH_2Br$ $C_7H_2BrF_5$ $M = 260{,}99$ g/mol **1 L ≈ 1,14 kg** assay (GC) ..... 98% boiling range ..... 173—175 °C refractive index (n_D^{20}) 1,471	FL. *2902*	1 g	26,—	22,10	20,80	19,50
32212 **1-Bromopentane** PROSYNTH® A 3/3 *1-Bromopentane / 1-Bromopentano* C 3.3 1993 2 $CH_3(CH_2)_4Br$ +31 °C $C_5H_{11}Br$ $M = 151{,}05$ g/mol **1 L ≈ 1,22 kg** assay (GC) ..... 97% refractive index (n_D^{20}) ..... 1,444 R: 10-20/21/22 disposal: 7	FL. F. *2902*	250 ml 200 kg	30,75	26,15 price on request	24,60	23,05

PANPEHA® universal indicator paper in strips

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	
02130 A 3/1A C 3.2 1993 2 +19 °C	**2-Bromopentane** *2-Bromopentane / 2-Bromopentano* $CH_3CHBrCH_2CH_2CH_3$ $C_5H_{11}Br$ $M = 151{,}05$ g/mol **1 L ≈ 1,20 kg** R: 11-20/21/22 S: 26-28 disposal: 7	FL. *2902*	1 L	price on request			
63271 A 3/3 C 3.3 1993 2 +30 °C	**5-Bromopentene-(1)** PROSYNTH® *5-Bromopentène-(1) / 5-Bromopenteno-(1)* $Br(CH_2)_3CH=CH_2$ C_5H_9Br $M = 149{,}03$ g/mol **1 L ≈ 1,26 kg** assay (GC) ..... 98 % boiling range ..... 126—128 °C refractive index (n_D^{20}) ..... 1,463 keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 10 disposal: 7	FL. *2902*	25 ml	131,—	111,35	104,80	98
63272	**9-Bromophenanthrene** PROSYNTH® *9-Bromophénanthrène / 9-Bromofenantreno* $C_6H_4C_6H_4CH=CBr$ $C_{14}H_9Br$ $M = 257{,}13$ g/mol assay (ex Br) ..... 96 % melting range ..... 60—63 °C	WG. *2902*	25 g	41,50	35,30	33,20	31
64358 A 6.1/13C C 6.1 2810 3	**2-Bromophenol** PROSYNTH® *Bromo-2-phénol / 2-Bromofenol* BrC_6H_4OH C_6H_5BrO $M = 173{,}01$ g/mol **1 L ≈ 1,63 kg** assay (GC) ..... 98 % boiling range ..... 193—195 °C refractive index (n_D^{20}) ..... 1,588 R: 20/21/22 S: 2-28 disposal: 7	FL. *2906*	100 ml	97,—	82,45	77,60	72
62622 A 6.1/13C C 6.1 2810 3	**3-Bromophenol** PROSYNTH® *Bromo-3-phénol / 3-Bromofenol* HOC_6H_4Br C_6H_5BrO $M = 173{,}01$ g/mol **1 L ≈ 1,63 kg** assay (GC) ..... 99 % melting range ..... 32—34 °C R: 20/21/22 S: 2-28 disposal: 7	FL. FL. *2907*	† 10 ml 50 ml	35,— 145,—	29,75 123,25	 116,—	 108,
62214 A 6.1/13C C 6.1 2811 3	**4-Bromophenol** PROSYNTH® *Bromo4-phénol / 4-Bromofenol* BrC_6H_4OH C_6H_5BrO $M = 173{,}01$ g/mol **1 L ≈ 1,63 kg** assay (titration) ..... 99 % melting range ..... 63—64 °C R: 20/21/22 S: 2-28 disposal: 7	WG. *2907*	100 g	14,—	11,90	11,20	10,
15271 A 6.1/13C C 6.1 2810 3	**4-Bromophenol** *Bromo4-phénol / 4-Bromofenol* BrC_6H_4OH C_6H_5BrO $M = 173{,}01$ g/mol **1 L ≈ 1,63 kg** assay (titration) ..... 99 % melting range ..... 63—64 °C R: 20/21/22 S: 2-28 disposal: 7	FTP. *2907*	50 kg	price on request			
32712	**Bromophenol blue** indicator, Reag. Ph. Eur. I *Bleu de bromophénol / Azul de bromofenol* $C_{19}H_{10}Br_4O_5S$ $M = 669{,}97$ g/mol	WG. WG. *2937*	5 g 25 g	11,— 36,—	9,35 30,60	8,80 28,80	8,2 27,-

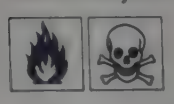
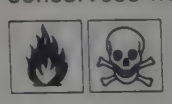
refer explanations

umber DR GGVS CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	Bromophenol red indicator *Rouge de bromophénol / Rojo de bromofenol* $C_{19}H_{12}Br_2O_5S$ $M = 512{,}17$ g/mol	FL. WG. *2937*	1 g 5 g	9,50 30,75	8,10 26,15	7,60 24,60	7,15 23,05
	DL-α-Bromophenylacetic acid PROSYNTH® *Acide DL-α-bromophénylacétique / Acido DL-α-bromofenilacético* $C_6H_5CHBrCOOH$ $C_8H_7BrO_2$ $M = 215{,}05$ g/mol assay (alkalimetric) ..... 98% melting range ..... 80–82 °C	PF. *2914*	100 g	187,–	158,95	149,60	140,25
0	**2-Bromophenylacetic acid** PROSYNTH® *Acide bromo-2-phénylacétique / Acido 2-bromofenilacético* $BrC_6H_4CH_2COOH$ $C_8H_7BrO_2$ $M = 215{,}05$ g/mol assay (GC) ..... 99% melting range ..... 104–106 °C	PF. *2914*	100 g	160,–	136,–	128.–	120,–
6 *22* 2811 3	**4-Bromophenylacetic acid** PROSYNTH® *Acide 4-bromophénylacétique / Acido 4-bromofenilacético* $BrC_6H_4CH_2COOH$ $C_8H_7BrO_2$ $M = 215{,}05$ g/mol assay (GC) 98%	WG. *2914*	100 g	110,–	93,50	88,–	82,50
79 */21A* 1694 1	**2-Bromophenylacetonitrile** PROSYNTH® *2-Bromophénylacétonitrile / 2-Bromofenilacetonitrilo* $BrC_6H_4CH_2CN$ C_8H_6BrN $M = 196{,}05$ g/mol 1 L ≈ 1,52 kg assay (GC) ..... 99% boiling range (at 19 mbar) ..... 145–147 °C	FL. *2927*	50 ml	75,–	63,75	60,–	56,25
53 *1/21* 2811 2	**4-Bromophenylacetonitrile** PROSYNTH® *4-Bromophénylacétonitrile / 4-Bromofenilacetonitrilo* $BrC_6H_4CH_2CN$ C_8H_6BrN $M = 196{,}05$ g/mol assay (GC) ..... 98% melting range ..... 46–49 °C	WG. WG. *2927*	† 25 g 100 g	23,– 75,–	19,55 63,75	60,–	56,25
159	**4-Bromophenylhydrazinium chloride** PROSYNTH® *Bromo-4-phénylhydrazine chlorhydrate / 4-Bromofenilhidracinio cloruro* $BrC_6H_4NHNH_2 \cdot HCl$ $C_6H_8BrClN_2$ $M = 223{,}50$ g/mol assay (ex Cl) ..... 99% melting range ..... 225–230 °C	WG. *2929*	10 g	35,–	29,75	28,–	26,25
725	**3-Bromo-1-phenyl-1-propen** PROSYNTH® *3-Bromo-1-phényl-1-propène / 3-Bromo-1-fenil-1-propeno* $C_6H_5CH=CHCH_2Br$ C_9H_9Br $M = 197{,}07$ g/mol assay (ex Br) ..... 98% melting range ..... 26–29 °C keep in refrigerator à stocker dans le refrigidaire almacenaje en la nevera	WG. *2902*	10 g	28,75	24,45	23,–	21,55
456 *6.1/21* *6.1* 2811 2	**4-Bromophenyl *iso*-thiocyanate** PROSYNTH® *4-Bromophényl iso-thiocyanate / 4-Bromofenil iso-tiocianato* BrC_6H_4NCS C_7H_4BrNS $M = 214{,}08$ g/mol assay (ex Br) ..... 98% melting range ..... 56–58 °C	WG. *2931*	10 g	66,50	56,55	53,20	49,90

PEHANAL® universal indicator paper in rolls

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	9 (16 B
35838 A 6.1/81A C 6.1 1615 2	**Bromophos-ethyl** min. 99% PESTANAL® [0,0-Diethyl-0-(4-bromo-2,5-dichlorophenyl)-monophosphorothioate] $(C_2H_5O)_2P(S)OC_6H_2Cl_2Br$ $C_{10}H_{12}BrCl_2O_3PS$ $M = 394{,}05$ g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 23/24/25 S: 2-13-44 disposal: 7	FL. *2921*	2 g	85,50	72,70	68,40	6
35839 A 6.1/81A C 6.1 1615 2	**Bromophos-methyl** min. 99% PESTANAL® [0,0-Dimethyl-0-(4-bromo-2,5-dichlorophenyl)-monophosphorothioate] $(CH_3O)_2P(S)OC_6H_2Cl_2Br$ $C_8H_8BrCl_2O_3PS$ $M = 366{,}00$ g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 23/24/25 S: 2-13-44 disposal: 7	FL. *2921*	1 g	56,50	48,05	45,20	4
	Bromophthalein see Bromosulphaleine						
60492	**N-Bromophthalimide** PROSYNTH® *N-Bromophtalimide / N-Bromoftalimida* $C_6H_4CONBrCO$ $C_8H_4BrNO_2$ $M = 226{,}03$ g/mol assay (ex Br) ..... 98% melting range ..... 206–208 °C	WG. *2926*	100 g	95,—	80,75	76,—	7
60078 A 3/1A C 3.2 2344 2 -15 °C	**1-Bromopropane** PROSYNTH® *Bromo-1-propane / 1-Bromopropano* $CH_3CH_2CH_2Br$ C_3H_7Br $M = 122{,}99$ g/mol **1 L ≈ 1,35 kg** assay (GC) ..... 99% boiling range ..... 70–71 °C refractive index (n_D^{20}) ..... 1,434 R: 11-26/27/28 S: 7/9-29-45 disposal: 7	FL. FL. EKL. *2902*	500 ml 2,5 L 40 kg	33,— 134,50 price on request	28,05 111,65	26,40 104,90	25 100
60079 A 3/1A C 3.2 2344 2 +1 °C	**2-Bromopropane** PROSYNTH® *2-Bromopropane / 2-Bromopropano* $CH_3CHBrCH_3$ C_3H_7Br $M = 122{,}99$ g/mol **1 L ≈ 1,31 kg** assay (GC) ..... 99% boiling range .....59–63 °C, within 1°C from 10–90% density (D_4^{20}) ..... 1,308–1,322 R: 11-26/27/28 S: 7/9-29-45 disposal: 7	FL. FL. FL. *2902*	† 500 ml 1 L † 2,5 L	38,25 50,— 159,—	34,05 42,50 141,50	32,15 40,— 133,55	30 38 125
02824 A 3/1A C 3.1 1993 2 -21 °C	**2-Bromopropane** technical *2-Bromopropane / 2-Bromopropano* $CH_3CHBrCH_3$ C_3H_7Br $M = 122{,}99$ g/mol **1 L ≈ 1,31 kg** assay (GC) ..... 99% boiling range .....59–63 °C, within 1°C from 10–90% density (D_4^{20}) ..... 1,308–1,322 R: 11-26/27/28 S: 7/9-29-45 disposal: 7	EKL. F. *2902*	40 kg 200 kg	price on request price on request			
64699 A 3/3 C 3.3 1993 2 +43 °C	**1-Bromo-2-propanol** PROSYNTH® *1-Bromo-2-propanol / 1-Bromo-2-propanol* $CH_3CH(OH)CH_2Br$ C_3H_7BrO $M = 138{,}99$ g/mol **1 L ≈ 1,53 kg** R: 10 disposal: 7	FL. *2904*	10 ml	17,—	14,45	13,60	12

refer explanations

Number DR /GGVS -CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	3-Bromo-1-propanol PROSYNTH® *3-Bromo-1-propanol / 3-Bromo-1-propanol* $Br(CH_2)_3OH$ C_3H_7BrO $M = 138,99$ g/mol **1 L ≈ 1,60 kg** assay (GC) 75%	FL. *2904*	100 ml	200,—	170,—	160,—	150,—
8 4A 1992 2 C	**3-Bromopropene** PROSYNTH® *3-Bromopropène / 3-Bromopropeno* $HC \equiv CCH_2Br$ C_3H_3Br $M = 118,96$ g/mol **1 L ≈ 1,58 kg** assay (GC) ..... 98% boiling range ..... 83—86 °C refractive index (n_D^{20}) ..... 1,494 keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera  R: 11-23/24/25 S: 16-27-44 disposal: 7	FL. *2902*	100 ml	35,—	29,75	28,—	26,25
04 /4A 1099 1 C	**3-Bromopropene** *3-Bromopropène / 3-Bromopropeno* $CH_2 = CHCH_2Br$ C_3H_5Br $M = 120,98$ g/mol **1 L ≈ 1,41 kg** assay (GC) ..... 99% keep cool à stocker au frais consérvese frio  R: 11-23/24/25 S: 16-27-44 disposal: 7	FL. FL. STPB *2902*	500 ml 1 L 20 kg	42,75 77,50 price on request	36,35 65,90	34,20 62,—	32,90 59,70
219 21A2 1760 2	**2-Bromopropionic acid** PROSYNTH® *Acide 2-bromopropionique / Acido 2-bromopropiónico* $CH_3CHBrCOOH$ $C_3H_5BrO_2$ $M = 152,98$ g/mol **1 L ≈ 1,70 kg** assay (GC) ..... 99% boiling range (at 15 mbar) ..... 100—102 °C refractive index (n_D^{20}) ..... 1,475 R: 34 S: 26 disposal: 21	FL. *2914*	250 ml	26,75	22,75	21,40	20,05
627 /21A 1759 2	**3-Bromopropionic acid** PROSYNTH® *Acide 3-bromopropionique / Acido 3-bromopropiónico* $BrCH_2CH_2COOH$ $C_3H_5BrO_2$ $M = 152,98$ g/mol assay (GC) ..... 98% melting range ..... 60—62 °C R: 34 S: 26 disposal: 21	WG. STP. *2914*	50 g 50 kg	8,75 price on request	7,45	7,—	6,55
	2-Bromopropionic acid bromide see 2-Bromopropionyl bromide						
3273 6.1/21 6.1 1935 1	**3-Bromopropionitrile** PROSYNTH® *3-Bromopropionitrile / 3-Bromopropionitrilo* $BrCH_2CH_2CN$ C_3H_4BrN $M = 133,98$ g/mol **1 L ≈ 1,62 kg** assay (GC) ..... 99% boiling range (at 15 mbar) ..... 80—82 °C refractive index (n_D^{20}) ..... 1,480 R: 23/24/25 S: 44 disposal: 15	FL. *2927*	100 ml	54,50	46,35	43,60	40,90
	2-Bromo-1-propionylbenzene see 2-Bromopropiophenone						

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	9 (18 B
62222 A 8/22 C 8 1760 2	**2-Bromopropionyl bromide** PROSYNTH® *2-Bromopropionyle bromure / 2-Bromoponionilo bromuro* $CH_3CHBrCOBr$ $C_3H_4Br_2O$ $M = 215{,}87$ g/mol **1 L ≈ 2,06 kg** boiling range ..... 152—154 °C assay (ex Br) ..... 95% keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	FL. *2914*	100 ml	30,—	25,50	24,—	2
15274 A 6.1/61 C 3.3 1992 2 +59 °C	**2-Bromopropionyl *iso*-butylester** *2-Bromopropionyle iso-butylester / 2-Bromopropionilo iso-butilester* $CH_3CHBrCOOCH_2CH(CH_3)_2$ $C_7H_{13}BrO_2$ $M = 209{,}08$ g/mol **1 L ≈ 1,42 kg** assay ..... 99% boiling range (of 13 mbar) ..... 68—69 °C R: 36/37/38 S: 26 disposal: 7	FL. F. *2914*	1 L 200 kg	price on request price on request			
62223 A 6.1/23C C 6.1 1693 3	**2-Bromopropiophenone** PROSYNTH® *2-Bromopropiophénone / 2-Bromopropiofenona* $BrC_6H_4COCH_2CH_3$ C_9H_9BrO $M = 213{,}07$ g/mol **1 L ≈ 1,42 kg**	FL. *2913*	50 ml	90,50	76,95	72,40	6
63274	**N-(3-Bromopropyl)phthalimide** PROSYNTH® *N-(3-Bromopropyl)phtalimide / N-(3-Bromopropil)ftalimida* $\underline{CO}C_6H_4\underline{CON}(CH_2)_3Br$ $C_{11}H_{10}BrNO_2$ $M = 268{,}11$ g/mol assay (ex Br) ..... 97% melting range ..... 71—73 °C	WG. *2926*	25 g	27,25	23,15	21,80	2
35804	**Bromopyrazone** min. 99% PESTANAL® [1-Phenyl-4-amino-5-bromopyridazinone-(6)] $\underline{N{=}CHC(NH_2){=}C(Br)C(O)N}C_6H_5$ $C_{10}H_8BrN_3O$ $M = 266{,}10$ g/mol	FL. *2935*	1 g	28,25	24,—	22,60	2
62224 A 3/3 C 3.3 1992 2 +55 °C	**2-Bromopyridine** PROSYNTH® *2-Bromopyridine / 2-Bromopiridina* $\underline{N{=}CBrCH{=}CHCH{=}CH}$ C_5H_4BrN $M = 158{,}00$ g/mol **1 L ≈ 1,64 kg** assay (GC) ..... 98% boiling range ..... 191—194 °C refractive index (n_D^{20}) ..... 1,572 R: 10-20/21/22 disposal: 7	FL. *2935*	100 ml	114,—	96,90	91,20	8
62225 A 3/3 C 3.3 1992 2 52 °C	**3-Bromopyridine** PROSYNTH® *3-Bromopyridine / 3-Bromopiridina* $\underline{N{=}CHCBr{=}CHCH{=}CH}$ C_5H_4BrN $M = 158{,}00$ g/mol **1 L ≈ 1,65 kg** assay (GC) ..... 99% boiling range ..... 171—174 °C refractive index (n_D^{20}) ..... 1,571 R: 10-20/21/22 disposal: 7	FL. *2935*	50 ml	209,—	177,65	167,20	15
62226	**4-Bromopyridine hydrochloride** PROSYNTH® *4-Bromopyridine chlorhydrate / 4-Bromopiridina chlorhidrato* $\underline{N{=}CHCH{=}CBrCH{=}CH} \cdot HCl$ C_5H_5BrClN $M = 194{,}46$ g/mol assay 98%	WG. *2935*	10 g	46,50	39,55	37,20	3
33926	**Bromopyrogallol red** indicator for complexometry *Rouge de bromopyrogallol / Rojo de bromopirogalol* $\underline{C_6H_4SO_2O}\underline{C}[C_6HBr(OH)_2O]C_6HBr(OH)_2$ $C_{19}H_{10}Br_2O_8S$ $M = 558{,}16$ g/mol	FL. *3205*	1 g	13,25	11,25	10,60	

refer explanations

umber R GGVS ODE (GGVSee)	Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
Bromopyruvic acid PROSYNTH® *Acide bromopyruvique / Acido bromopirúvico* $BrCH_2COCOOH$ $C_3H_3BrO_3$ $M = 166{,}96$ g/mol assay (alkalimetric) ..... 97 % melting range ..... 77–79 °C keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	WG. *2916*	10 g	34,–	28,90	27,20	25,50
N-Bromosaccharin PROSYNTH® *N-Bromosaccharine / N-Bromosacarina* $C_6H_4CONBrSO_2$ $C_7H_4BrNO_3S$ $M = 262{,}08$ g/mol assay (ex Br) ..... 98 % melting range ..... 171–173 °C	WG. *2926*	25 g	70,–	59,50	56,–	52,50
5-Bromosalicylic acid PROSYNTH® *Acide 5-bromosalicylique / Acido 5-bromosalicílico* $BrC_6H_3(COOH)(OH)$ $C_7H_5BrO_3$ $M = 217{,}02$ g/mol assay (alkalimetric) ..... 98 % melting range ..... 159–162 °C	WG. WG. *2916*	100 g 1 kg	22,– 102,–	18,70 86,70	17,60 81,60	16,50 78,55
β-Bromostyrene PROSYNTH® mixture of *cis*- and *trans*-isomers *β-Bromostyrène / β-Bromoestireno* $C_6H_5CH=CHBr$ C_8H_7Br $M = 183{,}05$ g/mol **1 L ≈ 1,42 kg** assay (GC) ..... 98 % boiling range (at 27 mbar) ..... 108–110 °C refractive index (n_D^{20}) 1,609	FL. *2902*	100 ml	36,75	31,25	29,40	27,55
2-Bromostyrene PROSYNTH® stabilized *2-Bromostyrène / 2-Bromoestireno* $BrC_6H_4CH=CH_2$ C_8H_7Br $M = 183{,}05$ g/mol **1 L ≈ 1,42 kg** assay (GC) ..... 97 % boiling range ..... 204–207 °C refractive index (n_D^{20}) 1,593	FL. *2902*	25 ml	193,–	164,05	154,40	144,75
3-Bromostyrene PROSYNTH® stabilized *3-Bromostyrène / 3-Bromoestireno* $BrC_6H_4CH=CH_2$ C_8H_7Br $M = 183{,}05$ g/mol **1 L ≈ 1,40 kg** assay (GC) ..... 97 % boiling range (at 27 mbar) ..... 90–94 °C refractive index (n_D^{20}) 1,593	FL. *2902*	25 ml	240,–	204,–	192,–	180,–
4-Bromostyrene PROSYNTH® (stabilized) *4-Bromostyrène / 4-Bromoestireno* $BrC_6H_4CH=CH_2$ C_8H_7Br $M = 183{,}05$ g/mol **1 L ≈ 1,40 kg** assay (GC) ..... 97 % boiling range (at 27 mbar) ..... 100–103 °C refractive index (n_D^{20}) ..... 1,595 keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	FL. *2902*	25 ml	155,–	131,75	124,–	116,25
Bromosuccinic acid PROSYNTH® *Acide bromosuccinique / Acido bromosuccínico* $HOOCCH_2CHBrCOOH$ $C_4H_5BrO_4$ $M = 196{,}99$ g/mol assay (alkalimetric) ..... 98 % melting range ..... 161–162 °C	WG. *2915*	25 g	43,75	37,20	35,–	32,80

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60081	**N-Bromosuccinimide** PROSYNTH® *N-Bromosuccinimide / N-Bromosuccinimida* $COCH_2CH_2CONBr$ $C_4H_4BrNO_2$ $M = 177,99$ g/mol assay (iodometric) ..... 98 % melting range ..... 175—179 °C (disint.)	WG. WG. FTP. *2926*	250 g 1 kg 25 kg	36,75 120,— price on request	31,25 102,—	29,40 96,—	
33078	**Bromosulphaleine** for microscopy *Bromosulfaléine / Bromosulfaleina* $C_{20}H_8Br_4Na_2O_{10}S_2$ $M = 838,00$ g/mol	FL. *2903*	1 g	11,25	9,55	9,—	
	Bromosulphophthalein see Bromosulphaleine						
63670	**1-Bromotetradecane** PROSYNTH® *1-Bromotétradécane / 1-Bromotetradecano* $CH_3(CH_2)_{13}Br$ $C_{14}H_{29}Br$ $M = 277,29$ g/mol **1 L ≈ 1,01 kg** assay (GC) ..... 97 % boiling range (at 27 mbar) ..... 175—178 °C refractive index (n_D^{20}) 1,460	FL. *2902*	500 ml	47,—	39,95	37,60	
64731	**2-Bromotetradecanoic acid** PROSYNTH® *Acide 2-bromotétradécanöique / Acido 2-bromotetradecanóico* $CH_3(CH_2)_{11}CHBrCOOH$ $C_{14}H_{27}BrO_2$ $M = 307,27$ g/mol assay (alkalimetric) ..... 98 % melting range ..... 40—43 °C	WG. *2914*	25 g	41,25	35,05	33,—	
61014 A 6.1/23 C 6.1 2810 2	**4-Bromo-3,3,4,4-tetrafluorobutene-(1)** PROSYNTH® *4-Bromo-3-3-4-4-tétrafluorobutène-(1) / 4-Bromo-3,3,4,4-tetrafluorobuteno-(1)* $BrCF_2CF_2CH=CH_2$ $C_4H_3BrF_4$ $M = 206,97$ g/mol **1 L ≈ 1,63 kg** assay ..... 99 %	FL. *2902*	100 ml	207,—	175,95	165,60	1
61097	**4-Bromotetrafluoroethoxybenzene** PROSYNTH® *4-Bromotétrafluoroéthoxybenzène / 4-Bromotetrafluoroetoxibenceno* $C_6H_4(OCF_2CF_2H)Br$ $C_8H_5BrF_4O$ $M = 273,02$ g/mol **1 L ≈ 1,65 kg** assay (GC) ..... 99 % boiling range (at 19 mbar) ..... 58—60 °C	FL. *2908*	100 ml	91,50	77,80	73,20	
64468 A 6.1/21 C 6.1 2811 2	**4-Bromothioanisole** PROSYNTH® *4-Bromothioanisole / 4-Bromotioanisol* $BrC_6H_4SCH_3$ C_7H_7BrS $M = 203,10$ g/mol assay (GC) ..... 97 % melting range ..... 38—40 °C	WG. *2931*	25 g	317,—	269,45	253,60	2
62227 A 3/3 C 3.3 1992 2 +52 °C	**2-Bromothiophene** PROSYNTH® *2-Bromothiophéne / 2-Bromotiofeno* $SCBr=CHCH=CH$ C_4H_3BrS $M = 163,04$ g/mol **1 L ≈ 1,68 kg** assay (GC) ..... 95 % boiling range ..... 149—151 °C refractive index (n_D^{20}) ..... 1,586 R: 10-20/21/22 disposal: 7	FL. F. *2935*	50 ml 200 kg	108,—	91,80 price on request	86,40	

refer explanations

Number DR GGVS CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
992 2	**3-Bromothiophene** PROSYNTH® *3-Bromothiophène / 3-Bromotiofeno* C_4H_3BrS $M = 163{,}04$ g/mol • **1 L ≈ 1,72 kg** SCH=CBrCH=CH assay (GC) ..... 97% boiling range ..... 149–151 °C refractive index (n_D^{20}) ..... 1,593 R: 10-20/21/22 disposal: 7	FL. 2935	5 ml	40,50	34,45	32,40	30,40
5 2810 3 C	**5-Bromothiophenecarbaldehyde-2** PROSYNTH® *Bromo-5-thiophènecarbaldéhyde-2 /* *5-Bromotiofenocarbaldehído-2* SC(CHO)=CHCH=CBr C_5H_3BrOS $M = 191{,}05$ g/mol **1 L ≈ 1,61 kg** assay (GC) ..... 98% boiling range (at 13 mbar) ..... 111–113 °C refractive index (n_D^{20}) 1,638	FL. 2935	100 ml	208,–	176,80	166,40	156,–
60 /13C 2021 3	**2-Bromothiophenol** PROSYNTH® *2-Bromothiophénol / 2-Bromotiofenol* BrC_6H_4SH C_6H_5BrS $M = 189{,}08$ g/mol assay (GC) ..... 98% boiling range (at 15 mbar) ..... 96–98 °C R: 23/24/25 S: 44 disposal: 15	FL. 2931	5 g	45,75	38,90	36,60	34,30
'14	**Bromothymol blue** indicator, Reag. Ph. Eur. I *Bleu de bromothymol / Azul de bromotimol* $C_{27}H_{28}Br_2O_5S$ $M = 624{,}39$ g/mol	WG. 2937	5 g 10 g 25 g	14,25 23,75 53,–	12,10 20,20 45,05	11,40 19,– 42,40	10,70 17,80 39,75
774	**Bromothymol blue** water-soluble *Bleu de bromothymol / Azul de bromotimol* $C_{27}H_{27}Br_2NaO_5S$ $M = 646{,}37$ g/mol	FL. 3205	5 g	21,50	18,30	17,20	16,15
228 /4 9 °C	**2-Bromotoluene** PROSYNTH® *2-Bromotoluène / 2-Bromotolueno* $BrC_6H_4CH_3$ C_7H_7Br $M = 171{,}04$ g/mol **1 L ≈ 1,41 kg** assay (GC) ..... 99% boiling range ..... 179–181 °C refractive index (n_D^{20}) ..... 1,556 R: 36/37/38 S: 26 disposal: 7	FL. 2902	100 ml	80,–	68,–	64,–	60,–
2229 3/4 81 °C	**3-Bromotoluene** PROSYNTH® *3-Bromotoluène / 3-Bromotolueno* $BrC_6H_4CH_3$ C_7H_7Br $M = 171{,}04$ g/mol **1 L ≈ 1,41 kg** assay (GC) ..... 99% boiling range ..... 182–184 °C refractive index (n_D^{20}) ..... 1,552 R: 36/37/38 S: 26 disposal: 7	FL. 2902	100 ml	129,–	109,65	103,20	96,75
2230 3/4 -85 °C	**4-Bromotoluene** PROSYNTH® *4-Bromotoluène / 4-Bromotolueno* $BrC_6H_4CH_3$ C_7H_7Br $M = 171{,}04$ g/mol **1 L ≈ 1,41 kg** assay (GC) ..... 99% melting range ..... 25–27 °C R: 36/37/38 S: 26 disposal: 7	FL. 2902	100 ml	34,–	28,90	27,20	25,50

POLYPEHA® universal and special indicator papers in strips

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62231 A 6.1/61A C 6.1 2810 2	**Bromotrichloromethane** PROSYNTH® *Bromotrichlorométhane / Bromotriclorometano* $CBrCl_3$ M = 198,27 g/mol — 1 L ≈ 2,00 kg assay (GC) ..... 98 % R: 20/21/22 S: 28 disposal: 13	FL. *2902*	100 ml	36,25	30,80	29,—	27
64361	**1-Bromotridecane** PROSYNTH® *Bromo-1-tridécane / 1-Bromotridecano* $CH_3(CH_2)_{12}Br$ $C_{13}H_{27}Br$ M = 263,26 g/mol — 1 L ≈ 1,03 kg $CH_3(CH_2)_{12}Br$ ..... 95 % assay (GC) ..... 148—150 °C boiling range (at 13 mbar) ..... 1,459 refractive index (n_D^{20})	FL. *2902*	10 ml	36,75	31,25	29,40	2
	2-Bromo-1,3,5-trimethylbenzene see 2-Bromomesitylene						
64363	**1-Bromoundecane** PROSYNTH® *Bromo-1-undécane / 1-Bromoundecano* $CH_3(CH_2)_{10}Br$ $C_{11}H_{23}Br$ M = 235,21 g/mol — 1 L ≈ 1,05 kg assay (GC) ..... 98 % boiling range (at 13 mbar) ..... 112—114 °C refractive index (n_D^{20}) 1,456	FL. F. *2902*	100 ml 200 kg	60,—	51,—	48,—	4
64734	**2-Bromoundecanoic acid** PROSYNTH® *Acide 2-bromoundécanoïque / Acido 2-bromoundecanóico* $CH_3(CH_2)_8CHBrCOOH$ $C_{11}H_{21}BrO_2$ M = 265,19 g/mol assay (alkalimetric) ..... 97 % boiling range (at 19 mbar) ..... 178—181 °C	FL. *2914*	25 g	19,75	16,80	15,80	1
63280	**11-Bromoundecanoic acid** PROSYNTH® *Acide 11-bromoundécanoïque / Acido 11-bromoundecanóico* $Br(CH_2)_{10}COOH$ $C_{11}H_{21}BrO_2$ M = 265,19 g/mol assay (alkalimetric) ..... 98 % melting range ..... 46—48 °C	PF. *2914*	250 g	64,—	54,40	51,20	4
39312	**5-Bromouracil** BIOSYNTH® *5-Bromouracile / 5-Bromouracilo* $N=C(OH)N=C(OH)CBr=CH$ $C_4H_3BrN_2O_2$ M = 190,98 g/mol	FL. *2935*	5 g	26,—	22,10	20,80	1
63268 A 8/21A C 8 1759 2	**2-Bromovaleric acid** PROSYNTH® *Acide 2-bromovalérique / Acido 2-bromovalérico* $CH_3(CH_2)_2CHBrCOOH$ $C_5H_9BrO_2$ M = 181,03 g/mol — 1 L ≈ 1,43 kg assay (alkalimetric) ..... 97 % boiling range (at 33 mbar) ..... 133—135 °C	FL. *2914*	100 ml	77,50	65,90	62,—	5
02879	**2-Bromo-*iso*-valeric acid** *Acide 2-bromo-iso-valérique / Acido 2-bromo-iso-valérico* $(CH_3)_2CHCHBrCOOH$ $C_5H_9BrO_2$ M = 181,03 g/mol — 1 L ≈ 1,46 kg	FL. *2914*	1 L	price on request			
63281	**5-Bromovanillin** PROSYNTH® *5-Bromovanilline / 5-Bromovainillina* $CH_3OC_6H_2Br(OH)CHO$ $C_8H_7BrO_3$ M = 231,05 g/mol assay (GC) ..... 98 % melting range ..... 164—165 °C	WG. *2912*	25 g	43,25	36,75	34,60	3

lumber DR GGVS CODE (GGVSee)	Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
4-Bromoveratrole PROSYNTH® *4-Bromovératrole / 4-Bromoveratrol* $BrC_6H_3(OCH_3)_2$ $C_8H_9BrO_2$ $M = 217{,}06$ g/mol **1 L ≈ 1,51 kg** assay (GC) ..... 97% boiling range ..... 255–258 °C refractive index (n_D^{20}) 1,574	FL. *2908*	5 ml	25,75	21,90	20,60	19,30
(2-Bromovinyl)benzene see β-Bromostyrene						
2-Bromo-1-vinylbenzene see 2-Bromostyrene						
3-Bromo-1-vinylbenzene see 3-Bromostyrene						
4-Bromo-1-vinylbenzene see 4-Bromostyrene						
Bromoxine see 5,7-Dibromo-8-hydroxyquinoline						
3 **2-Bromo-m-xylene** PROSYNTH® *23A* 2810 2 *2-Bromo-m-xylène / 2-Bromo-m-xileno* $(CH_3)_2C_6H_3Br$ C_8H_9Br $M = 185{,}06$ g/mol **1 L ≈ 1,36 kg** assay (GC) ..... 98% boiling range ..... 205–207 °C refractive index (n_D^{20}) 1,555	FL. *2902*	25 ml	60,–	51,–	48,–	45,–
98 **3-Bromo-o-xylene** PROSYNTH® */23A* 2810 2 *3-Bromo-o-xylène / 3-Bromo-o-xileno* $(CH_3)_2C_6H_3Br$ C_8H_9Br $M = 185{,}06$ g/mol **1 L ≈ 1,36 kg** assay (GC) ..... 98% boiling range ..... 212–214 °C refractive index (n_D^{20}) 1,560	FL. *2902*	25 ml	75,–	63,75	60,–	56,25
63 **4-Bromo-o-xylene** PROSYNTH® *1/23A* 1 1701 2 *4-Bromo-o-xylène / 4-Bromo-o-xileno* $BrC_6H_3(CH_3)_2$ C_8H_9Br $M = 185{,}06$ g/mol **1 L ≈ 1,37 kg** assay (GC) ..... 95% boiling range ..... 213–215 °C refractive index (n_D^{20}) 1,553	FL. *2902*	100 ml	86,–	73,10	68,80	64,50
?64 **4-Bromo-m-xylene** PROSYNTH® *1/23A* 1 1701 2 *4-Bromo-m-xylène / 4-Bromo-m-xileno* $BrC_6H_3(CH_3)_2$ C_8H_9Br $M = 185{,}06$ g/mol **1 L ≈ 1,35 kg** assay (GC) ..... 98% boiling range ..... 203–205 °C refractive index (n_D^{20}) 1,553	FL. *2902*	50 ml	74,50	63,35	59,60	55,90
749 **BTC** (Blue tetrazolium chloride) *BTC (Bleu de tétrazolium chlorure) / BTC (Azul de tetrazolio cloruro)* $C_{40}H_{32}Cl_2N_8O_2$ $M = 727{,}65$ g/mol	FL. *2930*	1 g	23,75	20,20	19,–	17,80
FIXANAL® **Buffer** see Buffer FIXANAL®						
Buffer FIXANAL® *Tampons FIXANAL®* *Tampones FIXANAL®* **for preparation of 500 ml buffer solution** *pour la préparation de 500 ml solution tampon* *para la preparación de 500 ml solución tampón*						
8740 **Buffer pH 1,00** FIXANAL® *Tampon pH 1,00 / Tampón pH 1,00* ampoule	*3819*	1 pack	10,25	8,70	8,20	7,70

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			3819	1 pack	10,25	8,70	8,20	7
38741	**Buffer pH 2,00** FIXANAL® *Tampon pH 2,00 / Tampón pH 2,00*	ampoule	*3819*	1 pack	10,25	8,70	8,20	7
38742	**Buffer pH 3,00** FIXANAL® *Tampon pH 3,00 / Tampón pH 3,00*	ampoule	*3819*	1 pack	10,25	8,70	8,20	7
38743	**Buffer pH 4,00** FIXANAL® *Tampon pH 4,00 / Tampón pH 4,00*	ampoule	*3819*	1 pack	10,25	8,70	8,20	7
38744	**Buffer pH 5,00** FIXANAL® *Tampon pH 5,00 / Tampón pH 5,00*	ampoule	*3819*	1 pack	10,25	8,70	8,20	7
38745	**Buffer pH 6,00** FIXANAL® *Tampon pH 6,00 / Tampón pH 6,00*	ampoule	*3819*	1 pack	10,25	8,70	8,20	7
38746	**Buffer pH 7,00** FIXANAL® *Tampon pH 7,00 / Tampón pH 7,00*	ampoule	*3819*	1 pack	10,25	8,70	8,20	7
38747	**Buffer pH 8,00** FIXANAL® *Tampon pH 8,00 / Tampón pH 8,00*	ampoule	*3819*	1 pack	10,25	8,70	8,20	7
38748	**Buffer pH 9,00** FIXANAL® *Tampon pH 9,00 / Tampón pH 9,00*	ampoule	*3819*	1 pack	10,25	8,70	8,20	7
38749	**Buffer pH 10,00** FIXANAL® *Tampon pH 10,00 / Tampón pH 10,00*	ampoule	*3819*	1 pack	10,25	8,70	8,20	7
38750	**Buffer pH 11,00** FIXANAL® *Tampon pH 11,00 / Tampón pH 11,00* R: 36/38 S: 2-26 disposal: 3	ampoule	*3819*	1 pack	10,25	8,70	8,20	
38751	**Buffer pH 12,00** FIXANAL® *Tampon pH 12,00 / Tampón pH 12,00* R: 36/38 S: 2-26 disposal: 3	ampoule	*3819*	1 pack	10,25	8,70	8,20	
38752	**Buffer pH 13,00** FIXANAL® *Tampon pH 13,00 / Tampón pH 13,00* R: 36/38 S: 2-26 disposal: 3	ampoule	*3819*	1 pack	10,25	8,70	8,20	
	for preparation of 1 L buffer solution *pour la préparation de 1 L solution tampon* *para la preparación de 1 L solución tampón*							
38785	**Buffer pH 7,2** FIXANAL® according to Weise *Tampon pH 7,2 / Tampón pH 7,2*	bottle	*3819*	1 pack	10,25	8,70	8,20	

umber R GGVS ODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	for preparation of 10 L buffer solution for the Amino-acid analysis according to Stein and Moore *pour la préparation de 10 L solution tampon pour l'analyse acides aminés d'après Stein et Moore* *para la preparación de 10 L solución tampón para el analisis del ácido amínico según Stein y Moore*						
	Buffer pH 2,20 (0,20 N) FIXANAL® *Tampon pH 2,20 (0,20 N) / Tampón pH 2,20 (0,20 N)* bottle	*3819*	1 pack	33,—	28,05	26,40	24,75
	Buffer pH 3,25 (0,20 N) FIXANAL® *Tampon pH 3,25 (0,20 N) / Tampón pH 3,25 (0,20 N)* bottle	*3819*	1 pack	33,—	28,05	26,40	24,75
	Buffer pH 3,28 (0,20 N) FIXANAL® *Tampon pH 3,28 (0,20 N) / Tampón pH 3,28 (0,20 N)* bottle	*3819*	1 pack	33,—	28,05	26,40	24,75
2	**Buffer pH 4,25 (0,20 N)** FIXANAL® *Tampon pH 4,25 (0,20 N) / Tampón pH 4,25 (0,20 N)* bottle	*3819*	1 pack	33,—	28,05	26,40	24,75
3	**Buffer pH 4,26 (0,38 N)** FIXANAL® *Tampon pH 4,26 (0,38 N) / Tampón pH 4,26 (0,38 N)* bottle	*3819*	1 pack	33,—	28,05	26,40	24,75
4	**Buffer pH 5,28 (0,35 N)** FIXANAL® *Tampon pH 5,28 (0,35 N) / Tampón pH 5,28 (0,35 N)* bottle	*3819*	1 pack	33,—	28,05	26,40	24,75
	Buffer solutions ready-for-use *Solutions tampons prêtes à l'usage* *Soluciones tampón listas para el uso*						
92	**Standard buffer solution pH 1,679 (25 °C)** *Solution tampon étalon pH 1,679 (25° C)/* *Solución estandardizada tampón pH 1,679 (25° C)* 0,05 M Potassium tetroxalate (DIN 19266) with fungicide plastic bottle of 1 L	*3819*	1 pack	25,25	21,45	20,20	18,95
96	**Standard buffer solution pH 3,776 (25 °C)** *Sulution tampon étalon pH 3,776 (25° C) /* *Solución estandardizada tampón pH 3,776 (25° C)* 0,05 M Potassium dihydrogen citrate (DIN 19266) with fungicide plastic bottle of 1 L	*3819*	1 pack	25,25	21,45	20,20	18,95
593	**Standard buffer solution pH 4,008 (25 °C)** *Solution tampon étalon pH 4,008 (25° C) /* *Solución estandardizada tampón pH 4,008 (25° C)* 0,05 M Potassium hydrogen phthalate (DIN 19266) with fungicide plastic bottle of 1 L	*3819*	1 pack	25,25	21,45	20,20	18,95
594	**Standard buffer solution pH 6,865 (25 °C)** *Solution tampon étalon pH 6,865 (25° C) /* *Solución estandardizada tampon pH 6,865 (25° C)* 0,025 M Potassium dihydrogen phosphate 0,025 M *di*-Sodium hydrogen phosphate (DIN 19266) with fungicide plastic bottle of 1 L	*3819*	1 pack	25,25	21,45	20,20	18,95

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33597	**Standard buffer solution ph 7,413 (25 °C)** *Solution tampon étalon pH 7,413 (25° C) /* *Solución estandardizada tampón pH 7,413 (25° C)* 0,009 M Potassium dihydrogen phosphate 0,032 M *di*-Sodium hydrogen phosphate (DIN 19266) plastic bottle of 1 L	*3819*	1 pack	25,25	21,45	20,20	18
33595	**Standard buffer solution pH 9,180 (25 °C)** *Solution tampon étalon pH 9,180 (25° C) /* *Solución estandardizada tampón pH 9,180 (25° C)* 0,01 M Sodium tetraborate (DIN 19266) plastic bottle of 1 L	*3819*	1 pack	25,25	21,45	20,20	18
33540	**Buffer solution pH 1,00** *Solution tampon pH 1,00 / Solución tampón pH 1,00* (hydrochloric acid/potassium chloride) plastic bottle of 1 L	*3819*	1 pack	20,50	17,45	16,40	15
33541	**Buffer solution pH 2,00** *Solution tampon pH 2,00 / Solución tampón pH 2,00* *(citric acid/hydrochloric acid/sodium chloride) with fungicide* plastic bottle of 1 L	*3819*	1 pack	20,50	17,45	16,40	15
33542	**Buffer solution pH 3,00** *Solution tampon pH 3,00 / Solución tampón pH 3,00* (citric acid/sodium hydroxide solution/sodium chloride) with fungicide plastic bottle of 1 L	*3819*	1 pack	20,50	17,45	16,40	15
33543	**Buffer solution pH 4,00** *Solution tampon pH 4,00 / Solución tampón pH 4,00* (citric acid/sodium hydroxide solution/sodium chloride) with fungicide plastic bottle of 1 L	*3819*	1 pack	20,50	17,45	16,40	15
33544	**Buffer solution pH 5,00** *Solution tampon pH 5,00 / Solución tampón pH 5,00* *(citric acid/sodium hydroxide solution) with fungicide* plastic bottle of 1 L	*3819*	1 pack	20,50	17,45	16,40	15
33545	**Buffer solution pH 6,00** *Solution tampon pH 6,00 / Solución tampón pH 6,00* (citric acid/sodium hydroxide solution) with fungicide plastic bottle of 1 L	*3819*	1 pack	20,50	17,45	16,40	15
33546	**Buffer solution pH 7,00** *Solution tampon pH 7,00 / Solución tampón pH 7,00* (potassium dihydrogen phosphate/*di*-Sodium hydrogen phosphate) with fungicide plastic bottle of 1 L	*3819*	1 pack	20,50	17,45	16,40	15
33547	**Buffer solution pH 8,00** *Solution tampon pH 8,00 / Solución tampón pH 8,00* (sodium tetraborate/hydrochloric acid) plastic bottle of 1 L	*3819*	1 pack	20,50	17,45	16,40	15
33548	**Buffer solution pH 9,00** *Solution tampon pH 9,00 / Solución tampón pH 9,00* *(sodium tetraborate/hydrochloric acid)* plastic bottle of 1 L	*3819*	1 pack	20,50	17,45	16,40	15
33549	**Buffer solution pH 10,00** *Solution tampon pH 10,00 / Solución tampón pH 10,00* (sodium tetraborate/sodium hydroxide solution) plastic bottle of 1 L	*3819*	1 pack	20,50	17,45	16,40	15
33550	**Buffer solution pH 11,00** *Solution tampon pH 11,00 / Solución tampón pH 11,00* (glycine/sodium hydroxide solution/sodium chloride) plastic bottle of 1 L	*3819*	1 pack	20,50	17,45	16,40	15
33551	**Buffer solution pH 12,00** *Solution tampon pH 12,00 / Solución tampón pH 12,00* (glycine/sodium hydroxide solution/sodium chloride) plastic bottle of 1 L	*3819*	1 pack	20,50	17,45	16,40	15

refer explanations

Number ADR E/GGVS S-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
?	**Buffer solution pH 13,00** *Solution tampon pH 13,00 / Solución tampón pH 13,00* (glycine/sodium hydroxide solution/sodium chloride) plastic bottle of 1 L	3819	1 pack	20,50	17,45	16,40	15,40
0	**Buffer solution pH 4,62** (sodium acetate/acetic acid) according to Michaelis *Solution tampon pH 4,62 / Solución tampón pH 4,62* plastic bottle of 1 L	3819	1 pack	20,50	17,45	16,40	15,40
1	**Acetate buffer solution pH 4,6** *Solution tampon d'acétate pH 4,6 / Acetato-solución tampón pH 4,6* for the complexometry plastic bottle of 1 L	3819	1 pack	22,—	18,70	17,60	16,50
32 672 3	**Ammonia buffer solution pH 10** *Solution tampon d'ammoniaque pH 10 / Amoníaco-solución tampón pH 10* *for the complexometry* plastic bottle of 1 L	3819	1 pack	22,—	18,70	17,60	16,50
	Buffer substances and buffer solutions Complete range see appendix						
	Buffer tablets see IDRANAL® Indicator buffer tablets						
64	**1,4-Butanediammonium dichloride** PROSYNTH® *Butanediamine-1-4-dichlorhydrate / 1,4-Butanodiamonio dicloruro* $H_2N(CH_2)_4NH_2 \cdot 2HCl$ $C_4H_{14}Cl_2N_2$ $M = 161,07$ g/mol assay ..... 99% melting range ..... 301—303 °C	WG. 2922	25 g	24,75	21,05	19,80	18,55
	Butanedioic acid disodium salt see Succinic acid disodium salt						
	Butanediol-(1,3) see 1,3-Butylene glycol						
	Butanediol-(1,4) see 1,4-Butylene glycol						
602	**1,4-Butanediol adipate** for gas chromatography *1-4-Butanediol adipate / 1,4-Butanodiol adipato* $[-O(CH_2)_4OCO(CH_2)_4CO-]_n$ $(C_{10}H_{18}O_4)_n$ $M = (200,23)_n$ g/mol working temperature ..... 60 to 225 °C	WG. 2915	25 g	65,50	55,70	52,40	49,15
613	**1,4-Butanediol succinate** for gas chromatography *1-4-Butanediol succinate / 1,4-Butanodiol succinato* $[-O(CH_2)_4OCOCH_2CH_2CO-]_n$ $(C_8H_{12}O_4)_n$ $M = (172,18)_n$ g/mol working temperature ..... 100 to 200 °C	WG. 2915	25 g	43,75	37,20	35,—	32,80
	Butanedione see Diacetyl						
	Butanetetrole see meso-Erythritol						
2232 3/1A 3.2 2347 2	**Butanethiol-(1)** PROSYNTH® *Butanethiol-(1) / Butanotiol-(1)* $CH_3(CH_2)_3SH$ $C_4H_{10}S$ $M = 90,19$ g/mol 1 L ≈ 0,84 kg assay (GC) ..... 98% boiling range ..... 96—98 °C refractive index (n_D^{20}) ..... 1,443 R: 11-20/21/22 S: 26-28 disposal: 15	FL. 2931	1 L	53,—	45,05	42,40	40,80

SPECTRANAL® solvents for spectroscopy

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96 (16 Box
62233 A 3/1A C 3.2 1993 2 -10 °C	**Butanethiol-(2)** PROSYNTH® *Butanethiol-(2) / Butanotiol-(2)* $CH_3CH_2CH(SH)CH_3$ $C_4H_{10}S$ · *M* = 90,19 g/mol **1 L ≈ 0,83 kg** assay (GC) ..... 97 % boiling range ..... 83—85 °C refractive index (n_D^{20}) ..... 1,437 R: 11-20/21/22 S: 26-28 disposal: 15	FL. *2931*	100 ml	12,—	10,20	9,60	9,-
	Butanimide see Succinimide						
	Butanoic acid see Butyric acid						
33065 A 3/3 C 3.3 1120 2 +34 °C	**Butanol-(1)** R. G. Reag. ACS, Reag. ISO, Reag. Ph. Eur. I *Butanol1 / 1-Butanol* $CH_3(CH_2)_3OH$ $C_4H_{10}O$ *M* = 74,12 g/mol **1 L ≈ 0,81 kg** assay (GC) ..... min. 99,5 % boiling range ..... 116—118 °C density (D_4^{20}) ..... 0,808—0,812 refractive index (n_D^{20}) ..... 1,3990—1,4000 non-volatile matter ..... max. 0,001 % water (according to Karl Fischer) ..... max. 0,1 % free acid (as C_3H_7COOH) ..... max. 0,005 % aluminium (Al) ..... max. 0,00005 % barium (Ba) ..... max. 0,00001 % lead (Pb) ..... max. 0,00001 % boron (B) ..... max. 0,000002 % cadmium (Cd) ..... max. 0,000005 % calcium (Ca) ..... max. 0,00005 % chromium (Cr) ..... max. 0,000002 % iron (Fe) ..... max. 0,00001 % cobalt (Co) ..... max. 0,000002 % copper (Cu) ..... max. 0,000002 % magnesium (Mg) ..... max. 0,00001 % manganese (Mn) ..... max. 0,000002 % nickel (Ni) ..... max. 0,000002 % zinc (Zn) ..... max. 0,00001 % tin (Sn) ..... max. 0,00001 % reaction to sulphuric acid ..... passes test aldehydes and cetones (as C_3H_7CHO) ..... max. 0,03 % butanol-(2) ..... max. 0,05 % *iso*-butanol ..... max. 0,05 % *n*-butyraldehyde ..... max. 0,01 % carbonyl compounds (as O) ..... max. 0,02 % di-*n*-butylether ..... max. 0,05 % R: 10-20 S: 16 disposal: 6	FL. FL. EKL. *2904*	1 L 2,5 L 20 kg	26,50 56,— kg	22,55 46,50 13,80	20,65 43,70	19,6 42,-
30843 A 3/3 C 3.3 1120 2 +34 °C	**Butanol-(1)** min. 99,9% for gas chromatography *Butanol-(1) / Butanol-(1)* $CH_3(CH_2)_3OH$ $C_4H_{10}O$ *M* = 74,12 g/mol **1 L ≈ 0,81 kg** R: 10-20 S: 16 disposal: 6	FL. *2904*	5 ml	51,50	43,80	41,20	38,
34931 A 3/3 C 3.3 1120 2 +34 °C	**Butanol-(1)** SPECTRANAL® *Butanol-(1) / Butanol-(1)* $CH_3(CH_2)_3OH$ $C_4H_{10}O$ *M* = 74,12 g/mol **1 L ≈ 0,81 kg** assay (GC) ..... min. 99,7 % non-volatile matter ..... max. 0,0005 % water (according to Karl Fischer) ..... max. 0,02 % free acid (as $CH_3CH_2CH_2COOH$) ..... max. 0,002 % suitability for UV-spectroscopy transmittance (1 cm cell; reference: water) transmittance/wave-length (nm) min. 25 %/210, min. 65 %/230, min. 95 %/250, min. 98 %/from 270 suitability for IR spectroscopy ..... passes test R: 10-20 S: 16 disposal: 6	FL. *2904*	2,5 L	147,50	122,45	115,05	110,

Number OR GGVS CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	Butanol-(1) CHROMASOLV® for chromatography (UV-detection) *Butanol-(1) / Butanol-(1)* $CH_3(CH_2)_3OH$ $C_4H_{10}O$ $M = 74{,}12$ g/mol **1 L ≈ 0,81 kg** assay (GC) ..... min. 99,7% non-volatile matter ..... max. 0,001% free acid (as $CH_3CH_2CH_2COOH$) ..... max. 0,002% water (according to Karl Fischer) ..... max. 0,1% transmittance (1 cm cell; reference water) transmittance/wavelength (nm): min. 20%/210, min. 50%/224, min. 20%/210, min. 50%/230, min. 80%/235, min. 98%/from 310 R: 10-20 S: 16 disposal: 6	FL. *2904*	1 L	32,—	27,20	25,60	24,65
4	**Butanol-(1)** 98-100% *Butanol-(1) / Butanol-(1)* 1120 2 $CH_3(CH_2)_3OH$ C $C_4H_{10}O$ $M = 74{,}12$ g/mol **1 L ≈ 0,81 kg** assay (GC) ..... 99% boiling range ..... 116—118 °C density (D_4^{20}) ..... 0,808—0,812 refractive index (n_D^{20}) ..... 1,3990—1,4000 non-volatile matter ..... 0,001% R: 10-20 S: 16 disposal: 6	FL. FL. EKL. EKL. F. *2904*	1 L 2,5 L 20 kg 5x 160 kg	19,75 36,— kg kg kg	16,80 29,90 5,65 5,20 4,60	15,80 28,10	15,20 27,—
66 3	**Butanol-(2)** R. G. *Butanol-2 / 2-Butanol* 1 1121 2 $C_2H_5CH(OH)CH_3$ °C $C_4H_{10}O$ $M = 74{,}12$ g/mol **1 L ≈ 0,80 kg** assay (GC) ..... min. 99% boiling range ..... 98,5—100,0 °C density (D_4^{20}) ..... 0,806—0,808 refractive index (n_D^{20}) ..... 1,3970—1,3980 non-volatile matter ..... max. 0,005% water (according to Karl Fischer) ..... max. 0,2% R: 10-20 S: 16 disposal: 6	FL. *2904*	1 L	19,50	16,60	15,60	15,—
126 /3	**Butanol-(2)** *Butanol-(2) / Butanol-(2)* .3 1121 2 $C_2H_5CH(OH)CH_3$ 4 °C $C_4H_{10}O$ $M = 74{,}12$ g/mol **1 L ≈ 0,80 kg** assay (GC) ..... 99% boiling range ..... 98,5—100,0 °C density (D_4^{20}) ..... 0,806—0,808 refractive index (n_D^{20}) ..... 1,3970—1,3980 non-volatile matter ..... 0,005% R: 10-20 S: 16 disposal: 6	FL. EKL. F. *2904*	1 L 20 kg 165 kg	18,50 kg kg	15,75 4,55 3,60	14,80	14,25
1064 3/3	***iso*-Butanol** R. G. *iso-Butanol / iso-Butanol* 3.3 1212 2 $(CH_3)_2CHCH_2OH$ 28 °C $C_4H_{10}O$ $M = 74{,}12$ g/mol **1 L ≈ 0,80 kg** assay (GC) ..... min. 99% boiling range ..... 106—109 °C density (D_4^{20}) ..... 0,801—0,804 refractive index (n_D^{20}) ..... 1,3960—1,3970 non-volatile matter ..... max. 0,001% water (according to Karl Fischer) ..... max. 0,05% free acid (as C_3H_7COOH) ..... max. 0,02% fluorescence ..... passes test R: 10-20 S: 16 disposal: 6	FL. FL. EKL. *2904*	1 L 2,5 L 20 kg	28,25 59,— kg	24,— 48,95 12,—	22,60 46,—	21,75 44,25

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)	Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96 (16 Box
	FL.	1 L	17,25	14,65	13,80	13
	FL.	2,5 L	36,25	30,10	28,30	27
	EKL.	20 kg	kg	4,60		
	EKL.	5x	kg	4,30		
	F.	160 kg	kg	3,60		
	2904					

24125 ***iso*-Butanol**
A 3/5 *iso-Butanol / iso-Butanol*
C 3.3 1212 2 $(CH_3)_2CHCH_2OH$
+28 °C $C_4H_{10}O$ $M = 74{,}12$ g/mol **1 L ≈ 0,80 kg**

assay (GC)	99 %
boiling range	106—109 °C
density (D_4^{20})	0,801—0,804
refractive index (n_D^{20})	1,3950—1,3970
non-volatile matter	0,005 %

R: 10-20 S: 16
disposal: 6

33067 ***tert.*-Butanol R. G., Reag. Ph. Eur.** | ALU. | 1 L | 27,25 | 23,15 | 21,80 | 21
A 3/5 *tert.-Butanol / terc.-Butanol* | *2904*
C 3.2 1122 2 $(CH_3)_3COH$
+11 °C $C_4H_{10}O$ $M = 74{,}12$ g/mol **1 L ≈ 0,77 kg**

assay (GC)	min. 99 %
congealing range	+ 25 to + 26 °C
boiling range	81—83 °C
density (D_4^{25})	0,780—0,783
refractive index (n_D^{25})	1,3845—1,3855
non-volatile matter	max. 0,001 %
water (according to Karl Fischer)	max. 0,1 %
free acid (as C_3H_7COOH)	max. 0,001 %
aluminium (Al)	max. 0,00005 %
barium (Ba)	max. 0,00001 %
lead (Pb)	max. 0,00001 %
boron (B)	max. 0,000002 %
cadmium (Cd)	max. 0,000005 %
calcium (Ca)	max. 0,00005 %
chromium (Cr)	max. 0,000002 %
iron (Fe)	max. 0,00001 %
cobalt (Co)	max. 0,000002 %
copper (Cu)	max. 0,000002 %
magnesium (Mg)	max. 0,00001 %
manganese (Mn)	max. 0,000002 %
nickel (Ni)	max. 0,000002 %
zinc (Zn)	max. 0,00001 %
tin (Sn)	max. 0,00001 %
butanol-(2)	max. 0,5 %

R: 11-20 S: 9-16
disposal: 6

24127 ***tert.*-Butanol** | ALU. | 1 L | 20,25 | 17,20 | 16,20 | 15
A 3/5 *tert.-Butanol / terc.-Butanol* | EKS. | 30 kg | kg | 6,25 | |
C 3.2 1122 2 $(CH_3)_3COH$ | *2904*
+11 °C $C_4H_{10}O$ $M = 74{,}12$ g/mol **1 L ≈ 0,77 kg**

assay (GC)	99 %
boiling range	81—83 °C
density (D_4^{25})	0,780—0,783
refractive index (n_D^{25})	1,3845—1,3855
non-volatile matter	0,001 %

R: 11-20 S: 9-16
disposal: 6

Butanon-(2) see Methyl ethyl ketone

Butene-(2)-acid see Crotonic acid

Butene-(2)-al-(1) see Crotonaldehyde

***cis*-Butenedioic acid** see Maleic acid

Butenedioic acid see Fumaric acid

15222 **Butene-(2)-diol-(1,4)** pure | FL. | 1 L | 43,75 | 37,20 | 35,— | 33
Butène-(2)-diol-(1-4) / Buteno-(2)-diol-(1,4) | *2904*
$HOCH_2CH=CHCH_2OH$
$C_4H_8O_2$ $M = 88{,}11$ g/mol **1 L ≈ 1,07 kg**

Butene-(2)-ol-(1) see Crotyl alcohol

Butene-(1)-on-(3) see Methyl vinyl ketone

trans-**2-Butenoic acid** see Crotonic acid

Number DR GGVS CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
C 0 2	**3-Butenoic acid** PROSYNTH®, stabilized with hydroquinone (5 g/l) *Acide 3-buténoïque / Acido 3-butenóico* $CH_2=CHCH_2COOH$ $C_4H_6O_2$ $M = 86,09$ g/mol **1 L ≈ 1,01 kg** assay (alkalimetric) ..... 95% boiling range ..... 160–163 °C refractive index (n_D^{20}) 1,423	FL. 2914	100 ml	113,50	96,50	90,80	85,15
	***n*-Butylether** see Di-*n*-**butylether**						
3	**4-Butoxyacetophenone** PROSYNTH® *4-Butoxyacétophénone / 4-Butoxiacetofenona* $CH_3(CH_2)_3OC_6H_4COCH_3$ $C_{12}H_{16}O_2$ $M = 192,26$ g/mol **1 L ≈ 1,02 kg**	FL. 2913	10 ml	28,25	24,—	22,60	21,20
3 21 2810 2	**4-Butoxyaniline** PROSYNTH® *4-Butoxyaniline / 4-Butoxianilina* $CH_3(CH_2)_3OC_6H_4NH_2$ $C_{10}H_{15}NO$ $M = 165,23$ g/mol **1 L ≈ 1,00 kg** R: 23/24/25 S: 44 disposal: 19	FL. 2923	100 ml	43,75	37,20	35,—	32,80
68	**N-(*tert.*-Butoxycarbonyl)-L-alanine** BIOSYNTH® *N-(tert.-Butoxycarbonyl)-L-alanine / N-(terc.-Butoxicarbonil)-L-alanina* $CH_3CH[NHCOOC(CH_3)_3]COOH$ $C_8H_{15}NO_4$ $M = 189,21$ g/mol	FL. 2923	1 g	28,—	23,80	22,40	21,—
32	**N^{α}-(*tert.*-Butoxycarbonyl)-L-asparagine** BIOSYNTH® *N^{α}-(tert.-Butoxycarbonyl)-L-asparagine / N^{α}-(terc.-Butoxicarbonil)-L-asparagina* $NH_2COCH_2CH(COOH)NHCOOC(CH_3)_3$ $C_9H_{16}N_2O_5$ $M = 232,24$ g/mol	WG. 2923	5 g	78,—	66,30	62,40	58,50
69	**N-(*tert.*-Butoxycarbonyl)-L-aspartic acid-β-*tert.*-butylester dicyclohexylammonium salt** BIOSYNTH® *N-(tert.-Butoxycarbonyl)-L-acide aspartique-β-tert.-butylester sel de dicyclohexylammonium / N-(terc.-Butoxicarbonil)-L-ácido aspártico-β-terc.-butilester sal de diciclohexilamonio* $C_6H_5CH_2OOCCH_2CH[NHCOOC(CH_3)_3]COOH \cdot C_{12}H_{23}N$ $C_{25}H_{46}N_2O_6$ $M = 470,65$ g/mol	FL. 2923	1 g	28,75	24,45	23,—	21,55
070	**N-(*tert.*-Butoxycarbonyl)-O-benzyl-L-serine dicyclohexylammonium salt** BIOSYNTH® *N-(tert.-Butoxycarbonyl)-O-benzyl-L-sérine sel de dicyclohexylammonium / N-(terc.-Butoxicarbonil)-O-bencil-L-serina sal de diciclohexilamonio* $C_6H_5CH_2OCH_2CH(COOH)NHCOOC(CH_3)_3 \cdot C_{12}H_{23}N$ $C_{27}H_{44}N_2O_5$ $M = 476,66$ g/mol	FL. 2925	1 g	28,75	24,45	23,—	21,55
071	**N-(*tert.*-Butoxycarbonyl)-O-benzyl-L-tyrosine** BIOSYNTH® *N.(tert.-Butoxycarbonyl)-O-benzyl-L-tyrosine / N-(terc.-Butoxicarbonil)-O-bencil-L-tirosina* $C_6H_5CH_2OC_6H_4CH_2CH(COOH)NHCOOC(CH_3)_3$ $C_{21}H_{25}NO_5$ $M = 371,43$ g/mol	FL. 2925	1 g	28,75	24,45	23,—	21,55
072	**N^{α}-(*tert.*-Butoxycarbonyl)-N^{ε}-formyl-L-lysine** BIOSYNTH® *N^{α}-(tert.-Butoxycarbonyl)-N^{ε}-formyle-L-lysine / N^{α}-(terc.-Butoxicarbonil)-N^{ε}-formilo-L-lisina* $C_{12}H_{22}N_2O_5$ $M = 274,32$ g/mol	FL. 2925	1 g	28,75	24,45	23,—	21,55

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96 (16 Bo
39073	**N-(*tert.*-Butoxycarbonyl)-L-glutamic acid-γ-benzylester dicyclohexylammonium salt** BIOSYNTH® *N-(tert.-Butoxycarbonyl)-L-acide glutaminique γ-benzylester sel de dicyclohexylammonium / N-(terc.-Butoxicarbonil)-L-ácido glutamínico γ-bencilester sal de diciclohexilamonio* $C_6H_5CH_2OCOCH_2CH_2CH[NHCOOC(CH_3)_3]COOH \cdot C_{12}H_{23}N$ $C_{29}H_{46}N_2O_6$ $M = 518{,}69$ g/mol	FL. *2923*	1 g	28,75	24,45	23,—	21
39074	**N-(*tert.*-Butoxycarbonyl)-L-glutamic acid-γ-*tert.*-butylester dicyclohexylammonium salt** BIOSYNTH® *N-(tert.-Butoxycarbonyl)-L-acide glutaminique-γ-tert.-butylester sel de dicyclohexylammonium / N-(terc.-Butoxicarbonil)-L-ácido glutamínico-γ-terc.-butilester sal de diciclohexilamonio* $C_{26}H_{48}N_2O_6$ $M = 484{,}68$ g/mol	FL. *2923*	1 g	28,75	24,45	23,—	21
39485	**N^{α}-(*tert.*-Butoxycarbonyl)-L-glutamine** BIOSYNTH® *N^{α}-(tert.-Butoxycarbonyl)-L-glutamine / N^{α}-(terc.-Butoxicarbonil)-L-glutamina* $NH_2COCH_2CH_2CH(COOH)NHCOOC(CH_3)_3$ $C_{10}H_{18}N_2O_5$ $M = 246{,}26$ g/mol	WG. *2923*	5 g	78,—	66,30	62,40	58
39075	**N-(*tert.*-Butoxycarbonyl)-glycine** BIOSYNTH® *N-(tert.-Butoxycarbonyl)-glycine / N-(terc.-Butoxicarbonil)-glicina* $(CH_3)_3COCONHCH_2COOH$ $C_7H_{13}NO_4$ $M = 175{,}18$ g/mol	FL. *2925*	1 g	28,75	24,45	23,—	21
39487	**N-(*tert.*-Butoxycarbonyl)-L-leucine** BIOSYNTH® *N-(tert.-Butoxycarbonyl)-L-leucine / N-(terc.-Butoxicarbonil)-L-leucina* $(CH_3)_2CHCH_2CH(COOH)NHCOOC(CH_3)_3 \cdot H_2O$ $C_{11}H_{21}NO_4 \cdot H_2O$ $M = 249{,}31$ g/mol	WG. *2923*	5 g	78,—	66,30	62,40	58
39077	**N-(*tert.*-Butoxycarbonyl)-L-methionine dicyclohexylammonium salt** BIOSYNTH® *N-(tert.-Butoxycarbonyl)-L-méthionine, sel de dicyclohexylammonium / N-(terc.-Butoxicarbonil)-L-metionina, sal de diciclohexilamonio* $CH_3SCH_2CH_2CH[NHCOOC(CH_3)_3]COOH \cdot C_{12}H_{23}N$ $C_{22}H_{42}N_2O_4S$ $M = 430{,}65$ g/mol	FL. *2931*	1 g	28,75	24,45	23,—	21
39488	**N^{α}-(*tert.*-Butoxycarbonyl)-N^{ω}-nitro-L-arginine** BIOSYNTH® *N^{α}-(tert.-Butoxycarbonyl)-N^{ω}-nitro-L-arginine / N^{α}-(terc.-Butoxicarbonil)-N^{ω}-nitro-L-arginina* $HN=C(NHNO_2)NH(CH_2)_3CH(COOH)NHCOOC(CH_3)_3$ $C_{11}H_{21}N_5O_6$ $M = 319{,}32$ g/mol	WG. *2923*	5 g	78,—	66,30	62,40	58
39078	**N-(*tert.*-Butoxycarbonyl)-L-norleucine dicyclohexylammonium salt** BIOSYNTH® *N-(tert.-Butoxycarbonyl)-L-norleucine, sel de dicyclohexylammonium / N-(terc.-Butoxicarbonil)-L-norleucina, sal de diciclohexilamonio* $C_{25}H_{44}N_2O_4$ $M = 436{,}63$ g/mol	FL. *2923*	1 g	28,75	24,45	23,—	21
39261	**N-(*tert.*-Butoxycarbonyloxy)-succinimide** BIOSYNTH® *N-(tert.-Butoxycarbonyloxy)-succinimide / N-(terc.-Butoxicarboniloxi)-succinimida* $(CH_3)_3COOCONCOCH_2CH_2CO$ $C_9H_{13}NO_5$ $M = 215{,}21$ g/mol	FL. *2926*	5 g	218,—	185,30	174,40	168
39489	**N-(*tert.*-Butoxycarbonyl)-L-phenylalanine** BIOSYNTH® *N-(tert.-Butoxycarbonyl)-L-phénylalanine / N-(terc.-Butoxicarbonil)-L-fenilalanina* $C_6H_5CH_2CH(COOH)NHCOO(CH_3)_3$ $C_{14}H_{19}NO_4$ $M = 265{,}31$ g/mol	WG. *2923*	5 g	78,—	66,30	62,40	58

refer explanations

Number ADR E/GGVS G-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
79	**N-(*tert.*-Butoxycarbonyl)-β-phenyl-L-alanine dicyclohexylammonium salt** BIOSYNTH® *N-(tert.-Butoxycarbonyl)-β-phenyl-L-alanine, sel de dicyclohexylammonium / N-(terc.-Butoxicarbonil)-β-fenil-L-alanina, sal de diciclohexilamonio* $C_{26}H_{42}N_2O_4$ $M = 446{,}63$ g/mol	FL. *2925*	1 g	28,75	24,45	23,—	21,55
90	**N-(*tert.*-Butoxycarbonyl)-L-proline** BIOSYNTH® *N-(tert.-Butoxycarbonyl)-L-proline / N-(terc.-Butoxicarbonil)-L-prolina* $(CH_3)_3COCON(CH_2)_3CHCOOH$ $C_{10}H_{17}NO_4$ $M = 215{,}25$ g/mol	WG. *2935*	5 g	78,—	66,30	62,40	58,50
253	**N-(*tert.*-Butoxycarbonyl)-L-serine** BIOSYNTH® *N-(tert.-Butoxycarbonyl)-L-sérine / N-(terc.-Butoxicarbonil)-L-serina* $OHCH_2CH(COOH)NHCOOC(CH_3)_3$ $C_8H_{15}NO_5$ $M = 205{,}21$ g/mol	FL. WG. *2925*	1 g 50 g	8,25 207,—	7,— 175,95	6,60 165,60	6,20 155,25
191	**N^{α}-(*tert.*-Butoxycarbonyl)-L-tryptophane** BIOSYNTH® *N^{α}-(tert.-Butoxycarbonyl)-L-tryptophane / N^{α}-(terc.-Butoxicarbonil)-L-triptófano* $C_6H_4NHCH=CCH_2CH(COOH)NHCOOC(CH_3)_3$ $C_{16}H_{20}N_2O_4$ $M = 304{,}35$ g/mol	WG. *2935*	5 g	62,—	52,70	49,60	46,50
081	**N-(*tert.*-Butoxycarbonyl)-L-valine dicyclohexylammonium salt** BIOSYNTH® *N-(tert.-Butoxycarbonyl)-L-valine, sel de dicyclohexylammonium / N-(terc.-Butoxicarbonil)-L-valina, sal de diciclohexilamonio* $(CH_3)_2CHCH[NHCOOC(CH_3)_3]COOH \cdot C_{12}H_{23}N$ $C_{22}H_{42}N_2O_4$ $M = 398{,}58$ g/mol	FL. *2923*	1 g	28,75	24,45	23,—	21,55
705	**Buturon** min. 99% PESTANAL® [3-(4-Chlorophenyl)-1-methyl-1-isobutynylurea] $ClC_6H_4NHC(O)N(CH_3)CH(CH_3)C\equiv CH$ $C_{12}H_{13}ClN_2O$ $M = 236{,}70$ g/mol	FL. *2925*	1 g	28,25	24,—	22,60	21,20
201 3/3 3.2 1123 2 22 °C	***n*-Butyl acetate** R.G. *n-Butyle acétate / n-Butilo acetato* $CH_3COO(CH_2)_3CH_3$ $C_6H_{12}O_2$ $M = 116{,}16$ g/mol **1 L ≈ 0,88 kg** assay (GC) ..... min. 99% boiling range ..... 124—126 °C density (D_4^{20}) ..... 0,880—0,882 refractive index (n_D^{20}) ..... 1,3940—1,3960 non-volatile matter ..... max. 0,001% water (according to Karl Fischer) ..... max. 0,1% free acid (as CH_3COOH) ..... max. 0,01% aluminium (Al) ..... max. 0,00005% barium (Ba) ..... max. 0,00001% lead (Pb) ..... max. 0,00001% boron (B) ..... max. 0,000002% cadmium (Cd) ..... max. 0,000005% calcium (Ca) ..... max. 0,00005% chromium (Cr) ..... max. 0,000002% iron (Fe) ..... max. 0,00001% cobalt (Co) ..... max. 0,000002% copper (Cu) ..... max. 0,000002% magnesium (Mg) ..... max. 0,00001% manganese (Mn) ..... max. 0,000002% nickel (Ni) ..... max. 0,000002% zinc (Zn) ..... max. 0,00001% tin (Sn) ..... max. 0,00001% reaction to sulphuric acid ..... passes test butanol-(1) ..... max. 0,5% R: 10 disposal: 6	FL. FL. *2914*	500 ml 1 L	12,75 23,—	10,85 19,55	10,20 18,40	9,80 17,70

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)	Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96 (16 Box
17927 A 3/3 C 3.2 1123 2 +22°C	FL. *2914*	2,5 L	price on request			

17927 *n*-Butyl acetate MOS PURANAL® particle class 0

n-Butyle acétate / n-Butilo acetato

$CH_3COO(CH_2)_3CH_3$ 1 L ≈ 0,88 kg

$C_6H_{12}O_2$ $M = 116{,}16$ g/mol

assay	min. 99%
boiling range	124—126 °C
density (D_4^{20})	0,880—0,882
refractive index (n_D^{20})	1,3940—1,3960
non-volatile matter	max. 10 ppm
water (according to Karl Fischer)	max. 1000 ppm
free acid (as CH_3COOH)	max. 100 ppm
aluminium (Al)	max. 0,05 ppm
antimony (Sb)	max. 0,01 ppm
arsenic (As)	max. 0,01 ppm
barium (Ba)	max. 0,1 ppm
beryllium (Be)	max. 0,01 ppm
lead (Pb)	max. 0,02 ppm
boron (B)	max. 0,02 ppm
cadmium (Cd)	max. 0,01 ppm
calcium (Ca)	max. 0,2 ppm
chromium (Cr)	max. 0,01 ppm
iron (Fe)	max. 0,1 ppm
gallium (Ga)	max. 0,02 ppm
gold (Au)	max. 0,02 ppm
indium (In)	max. 0,02 ppm
potassium (K)	max. 0,1 ppm
cobalt (Co)	max. 0,01 ppm
copper (Cu)	max. 0,01 ppm
lithium (Li)	max. 0,02 ppm
magnesium (Mg)	max. 0,1 ppm
manganese (Mn)	max. 0,01 ppm
molybdenum (Mo)	max. 0,01 ppm
sodium (Na)	max. 0,2 ppm
nickel (Ni)	max. 0,01 ppm
platinum (Pt)	max. 0,02 ppm
silver (Ag)	max. 0,02 ppm
strontium (Sr)	max. 0,02 ppm
thallium (Tl)	max. 0,02 ppm
titanium (Tl)	max. 0,01 ppm
vanadium (V)	max. 0,01 ppm
bismuth (Bi)	max. 0,01 ppm
zinc (Zn)	max. 0,02 ppm
tin (Sn)	max. 0,05 ppm
zirconium (Zr)	max. 0,02 ppm
butyl formiate (GC)	max. 0,01 ppm
butanol-(1) (GC)	max. 2000 ppm
butyl propionate (GC)	max. 5000 ppm
	max. 2000 ppm

R: 10 disposal: 6

refer explanations

umber)R GGVS CODE (GGVSee)	Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)

n-Butyl acetate PURANAL®

n-Butyle acétate / n-Butilo acetato

123 2 $CH_3COO(CH_2)_3CH_3$

$C_6H_{12}O_2$ $M = 116{,}16$ g/mol **1 L ≈ 0,88 kg**

assay	min. 99%
boiling range	124—126 °C
density (D_4^{20})	0,880—0,882
refractive index (n_D^{20})	1,3940—1,3960
non-volatile matter	max. 10 ppm
water (according to Karl Fischer)	max. 1000 ppm
free acid (as CH_3COOH)	max. 100 ppm
aluminium (Al)	max. 0,05 ppm
antimony (Sb)	max. 0,01 ppm
arsenic (As)	max. 0,01 ppm
barium (Ba)	max. 0,1 ppm
beryllium (Be)	max. 0,01 ppm
lead (Pb)	max. 0,02 ppm
boron (B)	max. 0,02 ppm
cadmium (Cd)	max. 0,01 ppm
calcium (Ca)	max. 0,2 ppm
chromium (Cr)	max. 0,01 ppm
iron (Fe)	max. 0,1 ppm
gallium (Ga)	max. 0,02 ppm
gold (Au)	max. 0,02 ppm
indium (In)	max. 0,02 ppm
potassium (K)	max. 0,1 ppm
cobalt (Co)	max. 0,01 ppm
copper (Cu)	max. 0,01 ppm
lithium (Li)	max. 0,02 ppm
magnesium (Mg)	max. 0,1 ppm
manganese (Mn)	max. 0,01 ppm
molybdenum (Mo)	max. 0,01 ppm
sodium (Na)	max. 0,2 ppm
nickel (Ni)	max. 0,01 ppm
platinum (Pt)	max. 0,02 ppm
silver (Ag)	max. 0,02 ppm
strontium (Sr)	max. 0,02 ppm
thallium (Tl)	max. 0,02 ppm
titanium (Ti)	max. 0,01 ppm
vanadium (V)	max. 0,01 ppm
bismuth (Bi)	max. 0,02 ppm
zinc (Zn)	max. 0,05 ppm
tin (Sn)	max. 0,02 ppm
zirconium (Zr)	max. 0,01 ppm
n-butyl formate (GC)	max. 2000 ppm
butanol (1) (GC)	max. 5000 ppm
n-butyl propionate (GC)	max. 2000 ppm

R: 10 disposal: 6

FL. *2914*	**2,5 L**	price on request				

n-Butyl acetate PROSYNTH®

n-Butyle acétate / n-Butilo acetato

65 3 2 1123 2 CH3COO(CH2)3CH3

2 °C $C_6H_{12}O_2$ $M = 116{,}16$ g/mol **1 L ≈ 0,88 kg**

assay (GC)	99%
boiling range	124—126 °C
refractive index (n_D^{20})	1,394

R: 10 disposal: 6

FL.	**1 L**	21,—	17,85	16,80	16,15
FL. *2914*	**2,5 L**	44,75	37,15	34,90	33,55

n-Butyl acetate technical

n-Butyle acétate / n-Butilo acetato

235 /3 2 1123 2 CH3COO(CH2)3CH3

2 °C $C_6H_{12}O_2$ $M = 116{,}16$ g/mol **1 L ≈ 0,88 kg**

assay (GC)	98%
boiling range	123—126 °C
density (D_4^{20})	0,880—0,882

R: 10 disposal: 6

FL.	**1 L**	19,50	16,60	15,60	15,—
FL.	**2,5 L**	40,50	33,60	31,60	30,40
EKL.	**25 kg**	kg	6,25		
EKL.	**5x**	kg	5,90		
F. *2914*	**180 kg**	price on request			

tert.-Butylacetoacetate PROSYNTH®

tert.-Butyle acétoacétate / terc.-Butilo acetoacetato

205 /4 11 °C $CH_3COCH_2COOC(CH_3)_3$

$C_8H_{14}O_3$ $M = 158{,}20$ g/mol **1 L ≈ 0,97 kg**

assay (GC)	98%
boiling range (at 20 mbar)	76—78 °C
refractive index (n_D^{20})	1,419

FL. *2916*	**250 ml**	51,50	43,80	41,20	38,65

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96 (16 Bo
64369	**N-*tert.*-Butylacrylamide** PROSYNTH®	WG.	250 g	51,50	43,80	41,20	38
	N-tert.-Butylacrylamide / N-terc.-Butilacrilamida	*2925*					
	$CH_2=CHCONHC(CH_3)_3$						
	$C_7H_{13}NO$ $M = 127,19$ g/mol						
	assay (ex N) ..... 98 %						
	melting range ..... 127 – 129 °C						
62025	***n*-Butyl acrylate** PROSYNTH® stabilized with hydroquinone monomethyl ether (18 mg/l)	FL.	1 L	31,25	26,55	25,–	24
A 3/3		*2914*					
C 3.3 2348 2	*n-Butyle acrylate / n-Butilo acrilato*						
+38 °C	$CH_2=CHCOO(CH_2)_3CH_3$						
	$C_7H_{12}O_2$ $M = 128,17$ g/mol **1 L ≈ 0,89 kg**						
	assay ..... 99 %						
	refractive index (n_D^{20}) 1,418						
	R: 10-36/37/38 S: 9 disposal: 6						
64214	***iso*-Butyl acrylate** PROSYNTH® stabilized with hydroquinone (0,45 g/l)	FL.	500 ml	30,25	25,70	24,20	23,
A 3/3		*2914*					
C 3.3 2527 2	*iso-Butyle acrylate / iso-Butilo acrilato*						
+29 °C	$CH_2=CHCOOCH_2CH(CH_3)_2$						
	$C_7H_{12}O_2$ $M = 128,17$ g/mol **1 L ≈ 0,89 kg**						
	keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera						
	R: 10-20/21-38 S: 9 disposal: 6						
	***iso*-Butyl alcohol** see *iso*-Butanol						
	***n*-Butyl alcohol** see Butanol-(1)						
	***sec.*-Butyl alcohol** see Butanol-(2)						
	***tert.*-Butyl alcohol** see *tert.*-Butanol						
15225	***n*-Butylamine**	FL.	500 ml	14,75	12,55	11,80	11,
A 3/5	*n-Butylamine / n-Butilamina*	FL.	1 L	26,75	22,75	21,40	20,
C 3.2 1125 2	$CH_3(CH_2)_3NH_2$	EKL.	20 kg	price on request			
-7 °C	$C_4H_{11}N$ $M = 73,14$ g/mol **1 L ≈ 0,74 kg**	F.	145 kg	price on request			
	assay ..... 98 %	*2922*					
	boiling range ..... 76 – 78 °C						
	R: 11-36/37/38 S: 16-26-29 disposal: 19						
62241	***tert.*-Butylamine** PROSYNTH®	FL.	1 L	38,25	32,50	30,60	29,4
A 3/5	*tert.-Butylamine / terc.-Butilamina*	*2922*					
C 3.2 2733 2	$(CH_3)_3CNH_2$						
-7 °C	$C_4H_{11}N$ $M = 73,14$ g/mol **1 L ≈ 0,70 kg**						
	assay (GC) ..... 98 %						
	boiling range ..... 44 – 46 °C						
	refractive index (n_D^{20}) 1,378						
	R: 11-36/37/38 S: 16-26-29 disposal: 19						
65193	**4-*tert.*-Butylaniline** PROSYNTH®	FL.	50 ml	price on request			
A 6.1/21	*4-tert.-Butylaniline / 4-terc.-Butilanilina*	*2922*					
C 6.1 2810 2	$(CH_3)_3CC_6H_4NH_2$						
	$C_{10}H_{15}N$ $M = 149,24$ g/mol						
	boiling range (at 13 mbar) ..... 104 – 108 °C						
	congealing range ..... 15 – 16 °C						
	R: 23/24/25-33 S: 28-37-44 disposal: 19						
	Butylated hydroxyanisole see 2-*tert.*-Butyl-4-methoxyphenol						

Number ADR /GGVS -CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
3	**Butylbenzene** PROSYNTH® *Butylbenzène / Butilbenceno* $C_6H_5(CH_2)_3CH_3$ $C_{10}H_{14}$ M = 134,22 g/mol **1 L ≈ 0,86 kg** assay (GC) ..... 99% boiling range ..... 182—183 °C refractive index (n_D^{20}) 1,490	FL. 2901	100 ml	103,50	88,—	82,80	77,65
4 2709 3 C	***sec.*-Butylbenzene** PROSYNTH® *sec.-Butylbenzène / sec.-Butilbenceno* $C_6H_5CH(CH_3)CH_2CH_3$ $C_{10}H_{14}$ M = 134,22 g/mol **1 L ≈ 0,86 kg** assay (GC) ..... 99% boiling range ..... 172—173 °C refractive index (n_D^{20}) ..... 1,490 R: 10 disposal: 6	FL. 2901	100 ml	47,—	39,95	37,60	35,25
5 2709 3 C	***tert.*-Butylbenzene** PROSYNTH® *tert.-Butylbenzène / terc.-Butilbenceno* $C_6H_5C(CH_3)_3$ $C_{10}H_{14}$ M = 134,22 g/mol **1 L ≈ 0,87 kg** assay (GC) ..... 99% boiling range ..... 168—169 °C refractive index (n_D^{20}) 1,492	FL. 2901	250 ml	22,—	18,70	17,60	16,50
42	**4-*tert.*-Butylbenzoic acid** PROSYNTH® *Acide 4-tert.-butylbenzoïque / Acido 4-terc.-butilbenzóico* $(CH_3)_3CC_6H_4COOH$ $C_{11}H_{14}O_2$ M = 178,23 g/mol assay (alkalimetric) ..... 99% melting range ..... 163-165 °C	PF. 2914	1 kg	30,—	25,50	24,—	23,10
76	**Butylboric acid** PROSYNTH® *Acide butylborique / Acido butilbórico* $CH_3(CH_2)_3B(OH)_2$ $C_4H_{11}BO_2$ M = 101,94 g/mol assay ..... 98% melting range ..... 90—92 °C	WG. 2934	5 g	57,—	48,45	45,60	42,75
	***iso*-Butyl bromide** see 1-Bromo-2-methylpropane						
	***n*-Butyl bromide** see 1-Bromobutane						
	***sec.*-Butyl bromide** see 2-Bromobutane						
	***tert.*-Butyl bromide** see 2-Bromo-2-methylpropane						
346 1/61H 1 2810 3	***tert.*-Butyl bromoacetate** PROSYNTH® *tert.-Butyle bromoacétate / terc.-Butilo bromoacetato* $BrCH_2COOC(CH_3)_3$ $C_6H_{11}BrO_2$ M = 195,06 g/mol **1 L ≈ 1,33 kg** assay (GC) ..... 98% boiling range (at 33 mbar) ..... 73—74 °C refractive index (n_D^{20}) ..... 1,445 R: 26/27/28 S: 7/9-26-45 disposal: 7	FL. 2914	25 ml	51,50	43,80	41,20	38,65
469 /3 3 1993 2 0 °C	***iso*-Butyl-*iso*-butyrate** PROSYNTH® *iso-Butyle-iso-butyrate / iso-Butilo-iso-butirato* $CH_3CH(CH_3)COOCH_2CH(CH_3)CH_3$ $C_8H_{16}O_2$ M = 144,21 g/mol **1 L ≈ 0,85 kg** assay (GC) ..... 99% boiling range ..... 148—149 °C refractive index (n_D^{20}) ..... 1,399 R: 10 disposal: 6	FL. 2914	500 ml	46,—	39,10	36,80	35,40

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
63813	***tert.*-Butyl carbazate** PROSYNTH® *tert.-Butyle carbazate / terc.-Butilo carbazato* $(CH_3)_3COCONHNH_2$ $C_5H_{12}N_2O_2$ $M = 132{,}16$ g/mol — **1 L ≈ 1,04 kg** boiling range (at 1 mbar) ..... 81–82 °C	FL. *2929*	100 ml	125,50	106,70	100,40	94,–
	Butylcarbitol see Diethylene glycol monobutyl ether						
	Butyl cellosolve see Ethylene glycol monobutyl ether						
	***n*-Butylchloride** see 1-Chlorobutane						
	***sec.*-Butyl chloride** see 2-Chlorobutane						
	***n*-Butyl chloride** see 1-Chlorobutane						
	***tert.*-Butyl chloride** see 2-Chloro-2-methylpropane						
64220 A 6.1/61F C 6.1 2811 2 +60 °C	***tert.*-Butyl chloroacetate** PROSYNTH® *tert.-Butyle chloroacétate / terc.-Butilo cloroacetato* $ClCH_2COOC(CH_3)_3$ $C_6H_{11}ClO_2$ $M = 150{,}60$ g/mol — **1 L ≈ 1,05 kg** assay (GC) ..... 97 % boiling range (at 15 mbar) ..... 47–49 °C refractive index (n_D^{20}) 1,423	FL. *2914*	10 ml	19,25	16,35	15,40	14,–
62281 A 6.1/4C C 3.2*1182 1 +20 °C	**Butyl chloroformate** PROSYNTH® *Butyle chloroformiate / Butilo cloroformiato* $ClCOO(CH_2)_3CH_3$ $C_5H_9ClO_2$ $M = 136{,}58$ g/mol — **1 L ≈ 1,05 kg** assay (GC) ..... 95 % boiling range ..... 138–142 °C refractive index (n_D^{20}) ..... 1,412 R: 36/37/38 S: 26 disposal: 7	FL. *2914*	100 ml	14,75	12,55	11,80	11,–
62282 A 6.1/4C C 3.2*1182 1 +20 °C	***iso*-Butyl chloroformate** PROSYNTH® *iso-Butyle chloroformiate / iso-Butilo cloroformiato* $ClCOOCH_2CH(CH_3)_2$ $C_5H_9ClO_2$ $M = 136{,}58$ g/mol — **1 L ≈ 1,04 kg** assay (GC) ..... 90 % refractive index (n_D^{20}) 1,408	FL. *2914*	250 ml	83,–	70,55	66,40	
63289 A 6.1/21C B 6.1/25E C 3.2 2485 2 +11 °C	**Butyl *iso*-cyanate** PROSYNTH® *Butyle iso-cyanate / Butilo iso-cianato* $CH_3(CH_2)_3NCO$ C_5H_9NO $M = 99{,}13$ g/mol — **1 L ≈ 0,88 kg** assay (GC) ..... 98 % boiling range ..... 113–115 °C refractive index (n_D^{20}) 1,406	FL. *2930*	250 ml	44,75	38,05	35,80	
	Butyl cyanide see Valeronitrile						
64742 A 6.1/21A C 6.1 2810 3	**Butyl cyanoacetate** PROSYNTH® *Butyle cyanacétate / Butilo cianacetato* $NCCH_2COO(CH_2)_3CH_3$ $C_7H_{11}NO_2$ $M = 141{,}17$ g/mol — **1 L ≈ 1,00 kg** assay (GC) ..... 98 % boiling range ..... 236–238 °C refractive index (n_D^{20}) 1,426	FL. *2914*	250 ml	36,75	31,25	29,40	
62247	**4-*tert.*-Butylcyclohexanol** PROSYNTH® mixture of *cis*- and *trans*-isomers *4-tert.-Butylcyclohexanol / 4-terc.-Butilciclohexanol* $CH_2CH_2CH(OH)CH_2CH_2CHC(CH_3)_3$ $C_{10}H_{20}O$ $M = 156{,}27$ g/mol assay (GC) ..... 99 %	PF. *2905*	250 g	19,50	16,60	15,60	

refer explanations

Number DR /GGVS -CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
3	**4-*tert.*-Butylcyclohexanone** PROSYNTH® *4-tert.-Butylcyclohexanone / 4-terc.-Butilciclohexanona* $CH_2CH_2COCH_2CH_2CHC(CH_3)_3$ $C_{10}H_{18}O$ $M = 154{,}25$ g/mol assay (GC) 92%	PF. 2913	100 g	28,75	24,45	23,—	21,55
	Butyldigol see Diethylene glycol monobutyl ether						
3	**1,3-Butylene glycol** *1-3-Butylèneglycol / 1,3-Butilenglicol* $CH_3CH(OH)CH_2CH_2OH$ $C_4H_{10}O_2$ $M = 90{,}12$ g/mol **1 L ≈ 1,00 kg** assay ..... 99% boiling range ..... 207—209 °C density (D_4^{20}) ..... 1,001—1,005 refractive index (n_D^{20}) ..... 1,4395—1,4405 bromine number 0,1	PF. PF. FPF. F. 2904	250 ml 1 L 30 kg 200 kg	9,50 22,— price on request price on request	8,10 18,70	7,60 17,60	7,15 16,95
64	**1,4-Butylene glycol** *1-4-Butylèneglycol / 1,4-Butilenglicol* $HO(CH_2)_4OH$ $C_4H_{10}O_2$ $M = 90{,}12$ g/mol **1 L ≈ 1,02 kg** assay (GC) ..... 99,5% boiling range ..... 227—229 °C density (D_4^{20}) ..... 1,015—1,018 refractive index (n_D^{20}) ..... 1,4450—1,4460	PF. FPF. 2904	1 L 30 kg	25,50 price on request	21,70	20,40	19,65
	Butylene hydrate see Butanol-2						
	Butyl ethyl ketone see Heptanone-(3)						
249	***n*-Butyl glycidyl ether** PROSYNTH® *Ether n-butylglycidique / Eter n-butilglicídico* $OCH_2CHCH_2O(CH_2)_3CH_3$ $C_7H_{14}O_2$ $M = 130{,}19$ g/mol **1 L ≈ 0,91 kg** assay (GC) ..... 98% boiling range ..... 166—168 °C refractive index (n_D^{20}) ..... 1,418 R: 20 S: 24/25 disposal: 6	FL. 2909	250 ml	23,50	20,—	18,80	17,65
	Butylglycol see Ethylene glycol monobutyl ether						
3285 3/4 99 °C	**Butyl heptyl ketone** PROSYNTH® *Butylheptylcétone / Butilheptilcetona* $CH_3(CH_2)_3CO(CH_2)_6CH_3$ $C_{12}H_{24}O$ $M = 184{,}32$ g/mol **1 L ≈ 0,82 kg** assay (GC) 98%	FL. 2913	50 ml	100,—	85,—	80,—	75,—
	Butyl hexyl ketone see Undecanone-(5)						
2250 5.2/2D 5.2 2092 1	***tert.*-Butyl hydroperoxide** about 80% in di-*tert.*-butyl peroxide PROSYNTH® *tert.-Butyle hydroperoxyde / terc.-Butilo hidroperóxido* $(CH_3)_3COOH$ $C_4H_{10}O_2$ $M = 90{,}12$ g/mol **1 L ≈ 0,90 kg** assay (iodometric) ..... 80% refractive index (n_D^{20}) 1,397	FL. 2908	100 ml	13,25	11,25	10,60	9,95
3287	**Butyl 4-hydroxybenzoate** PROSYNTH® *Butyle 4-hydroxybenzoate / Butilo 4-hidroxibenzoato* $HOC_6H_4COO(CH_2)_3CH_3$ $C_{11}H_{14}O_3$ $M = 194{,}23$ g/mol assay (HPLC) ..... 99% melting range ..... 67—69 °C	WG. 2916	250 g	19,25	16,35	15,40	14,45

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63288 A 3/4 +98 °C	**N-Butylimidazole** PROSYNTH® *N-Butylimidazole / N-Butilimidazol* $CH_3(CH_2)_3NCH=NCH=CH$ $C_7H_{12}N_2$ $M = 124{,}19$ g/mol — 1 L ≈ 0,96 kg assay (GC) ..... 99% boiling range ..... 237—239 °C refractive index (n_D^{20}) 1,480	FL. *2935*	100 ml	34,50	29,35	27,60	25
	***n*-Butyl iodide** see 1-Iodobutane						
	***iso*-Butyl iodide** see 1-Iodo-2-methylpropane						
	***sec.*-Butyl iodide** see 2-Iodobutane						
	***tert.*-Butyl iodide** see 2-Iodo-2-methylpropane						
60083	**Butyl malonic acid** PROSYNTH® *Acide butylmalonique / Acido butilmalónico* $CH_3(CH_2)_3CH(COOH)_2$ $C_7H_{12}O_4$ $M = 160{,}17$ g/mol assay ..... 96% melting range ..... 102—103 °C	PF. PF. *2915*	250 g 1 kg	124,— 413,—	105,40 351,05	99,20 330,40	3 31
	Butyl mercaptan see Butanethiol						
	***iso*-Butyl mercaptan** see 2-Methylpropanethiol(1)						
	***tert.*-Butyl mercaptan** see 2-Methylpropanethiol-(2)						
39432 A 6.1/22 C 6.1 2811 3	**S-*tert.*-Butylmercapto-L-cysteine** BIOSYNTH® *S-tert.-Butylmercapto-L-cystéine / S-terc.-Butilomercapto-L-cisteina* $(CH_3)_3CSSCH_2CH(NH_2)COOH$ $C_7H_{15}NO_2S_2$ $M = 209{,}33$ g/mol	WG. *2931*	10 g	31,25	26,55	25,—	
62750 A 3/3 C 3.3 2227 3 +41 °C	**Butyl methacrylate** PROSYNTH® stabilized with hydroquinone (90 mg/l) *Butyle méthacrylate / Butilo metacrilato* $CH_2=C(CH_3)COO(CH_2)_3CH_3$ $C_8H_{14}O_2$ $M = 142{,}20$ g/mol — 1 L ≈ 0,89 kg assay (GC) ..... 99% boiling range ..... 162—164 °C refractive index (n_D^{20}) ..... 1,424 R: 10-36/37/38 disposal: 6	FL. *2914*	500 ml	18,50	15,75	14,80	
62751 A 3/3 C 3.3 2283 3 +49 °C	***iso*-Butyl methacrylate** PROSYNTH® stabilized with hydroquinone (90 mg/l) *iso-Butyle méthacrylate / iso-Butilo metacrilato* $CH_2=C(CH_3)COOCH_2CH(CH_3)_2$ $C_8H_{14}O_2$ $M = 142{,}20$ g/mol — 1 L ≈ 0,89 kg assay (GC) ..... 98% boiling range ..... 153—155 °C refractive index (n_D^{20}) 1,420	FL. *2914*	500 ml	16,25	13,80	13,—	
62252	**2-*tert.*-Butyl-4-methoxyphenol** PROSYNTH® *2-tert.-Butyl-4-méthoxyphénol / 2-terc.-Butil-4-metoxifenol* $(CH_3)_3CC_6H_3(OH)OCH_3$ $C_{11}H_{16}O_2$ $M = 180{,}25$ g/mol assay (GC) ..... 98% melting range ..... 56—58 °C	PF. *2908*	100 g	29,50	25,10	23,60	
	***iso*-Butyl methyl ketone** see Methyl *iso*-butyl ketone						
63290 A 6.1/22 A C 6.1 2811 2	**2-*tert.*-Butyl-4-methylphenol** PROSYNTH® *2-tert.-Butyl-4-méthylphénol / 2-terc.-Butil-4-metilfenol* $(CH_3)_3CC_6H_3(CH_3)OH$ $C_{11}H_{16}O$ $M = 164{,}25$ g/mol assay (GC) ..... 99% melting range ..... 51—52 °C	WG. *2906*	100 g	10,—	8,50	8,—	

umber R GGVS CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	Butyl nicotinate PROSYNTH® *Butyle nicotinate / Butilo nicotinato* N=CHC(COOCH₂CH₂CH₂CH₃)=CHCH=CH $C_{10}H_{13}NO_2$ *M* = 179,22 g/mol **1 L ≈ 1,05 kg** assay (GC) ..... 98 %	FL. *2935*	100 ml	38,—	32,30	30,40	28,50
992 2	*tert.*-**Butyl nitrite** PROSYNTH® *tert.-Butyle nitrite / terc.-Butilo nitrito* $(CH_3)_3CONO$ $C_4H_9NO_2$ *M* = 103,12 g/mol **1 L ≈ 0,87 kg** assay (GC) ..... 97 % boiling range ..... 61—63 °C refractive index (n_D^{20}) ..... 1,368 keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 11-23/24/25 S: 16-27-44 disposal: 20	FL. *2921*	100 ml	24,—	20,40	19,20	18,—
	Butylparaben see Butyl 4-hydroxybenzoate						
2	**Butyl-PBD** for scintillation [2-(4-*tert.*-Butylphenyl)-5-(4-biphenyl)-1,3,4-oxadiazole] $C_{24}H_{22}N_2O$ *M* = 354,45 g/mol	PF. PF. PF. *2935*	100 g 1 kg 5 kg	163,— 1503,— 6721,—	138,55 1277,55 5578,45	130,40 1202,40 5242,40	122,25 1157,30 5040,75
57 */4A* 2097 2	*tert.*-**Butyl perbenzoate** PROSYNTH® *tert.-Butyle perbenzoate / terc.-Butilo perbenzoato* $C_6H_5COOOC(CH_3)_3$ $C_{11}H_{14}O_3$ *M* = 194,23 g/mol **1 L ≈ 1,03 kg** assay (ex active O) ..... 95 %	FL. *2914*	100 ml	15,—	12,75	12,—	11,25
	Butylperoxide see Butyl hydroperoxide						
66 *./13C* 2228 3	2-*sec.*-**Butylphenol** PROSYNTH® *2-sec.-Butylphénol / 2-sec.-Butilfenol* $C_2H_5CH(CH_3)C_6H_4OH$ $C_{10}H_{14}O$ *M* = 150,22 g/mol **1 L ≈ 0,97 kg** assay (GC) ..... 99 % boiling range ..... 227—229 °C refractive index (n_D^{20}) 1,522	FL. *2906*	250 ml	29,75	25,30	23,80	22,30
253 *1/13C* 1 2228 3	2-*tert.*-**Butylphenol** PROSYNTH® *2-tert.-Butylphénol / 2-terc.-Butilfenol* $(CH_3)_3CC_6H_4OH$ $C_{10}H_{14}O$ *M* = 150,22 g/mol **1 L ≈ 0,98 kg** assay (GC) ..... 98 % boiling range ..... 220—221 °C refractive index (n_D^{20}) 1,523	FL. *2906*	250 ml	17,50	14,90	14,—	13,15
766 *.1/13C* .1 2228 3	4-*sec.*-**Butylphenol** PROSYNTH® *4-sec.-Butylphénol / 4-sec.-Butilfenol* $C_2H_5CH(CH_3)C_6H_4OH$ $C_{10}H_{14}O$ *M* = 150,22 g/mol assay (GC) ..... 96 % melting range ..... 54—56 °C	FL. *2906*	250 ml	25,75	21,90	20,60	19,30
0085 *3.1/22A* 3.1 2229 3	4-*tert.*-**Butylphenol** PROSYNTH® *4-tert.-Butylphénol / 4-terc.-Butilfenol* $(CH_3)_3CC_6H_4OH$ $C_{10}H_{14}O$ *M* = 150,22 g/mol assay (GC) ..... 99 % melting range ..... 97—99 °C	WG. *2906*	500 g	11,—	9,35	8,80	8,45
	Butyl phthalate see Dibutyl phthalate						

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64835 A 3/3 C 3.3 1993 2 +26 °C	***iso*-Butyl propionate** PROSYNTH® *iso-Butyle propionate / iso-Butilo propionato* $CH_3CH_2COOCH_2CH(CH_3)_2$ $C_7H_{14}O_2$ M = 130,19 g/mol **1 L ≈ 0,87 kg** assay (GC) ..... 98% boiling range ..... 135–137 °C refractive index (n_D^{20}) ..... 1,397 R: 10 disposal: 6	FL. *2914*	500 ml	45,75	38,90	36,60
23193	**4-*tert.*-Butylpyrocatechol** technical (crystalline solid) *4-tert.-Butylpyrocatéchol / 4-terc.-Butilpirocatequina* $(CH_3)_3CC_6H_3(OH)_2$ $C_{10}H_{14}O_2$ M = 166,22 g/mol assay (GC) ..... 98,5% 3,5-di-*tert.*-butylpyrocatechol (GC) ..... 0,5% melting range ..... 50–52 °C	ALU. BL. *2906*	1 kg 25 kg	56,50 price on request	48,05	45,20
23195 C 3.3 1992 2 +27 °C	**4-*tert.*-Butylpyrocatechol** contg. 15% methanol, liquid *4-tert.-Butylpyrocatéchol / 4-terc.-Butilpirocatequina* $(CH_3)_3CC_6H_3(OH)_2$ $C_{10}H_{14}O_2$ M = 166,22 g/mol **1 L ≈ 1,03 kg** assay (GC) (for dry substance) ..... 98,5% density (D_4^{20}) ..... abt. 1,025–1,030 loss on drying ..... 15% R: 11-23/25 S: 2-7-16-24 disposal: 18	FL. F. *2906*	1 L 200 kg	48,75 price on request	41,45	39,–
23194 A 8/21 C 8 1760 2	**4-*tert.*-Butylpyrocatechol** contg. 15% water, liquid *4-tert.-Butylpyrocatéchol / 4-terc.-Butilpirocatequina* $(CH_3)_3CC_6H_3(OH)_2$ $C_{10}H_{14}O_2$ M = 166,22 g/mol **1 L ≈ 1,07 kg** assay (GC) (for dry substance) ..... 98,5% density (D_4^{20}) ..... 1,065–1,070 loss on drying 15%	FL. F. *2906*	1 L 200 kg	48,75 price on request	41,45	39,–
61101	**2-*sec.*-Butyltetrafluoroethoxybenzene** PROSYNTH® *2-sec.-Butyltétrafluoroéthoxybenzène / 2-sec.-Butiltetrafluoroetoxibenceno* $C_6H_4(OCF_2CF_2H)(C_4H_9)$ $C_{12}H_{14}F_4O$ M = 250,24 g/mol **1 L ≈ 1,16 kg** assay 95%	FL. *2908*	25 ml	47,–	39,95	37,6
39257	**O-*tert.*-Butyl-L-tyrosine methylester hydrochloride** BIOSYNTH® *O-tert.-Butyl-L-tyrosine méthylester chlorhydrate / O-terc.-Butil-L-tirosina metilester clorhidrato* $(CH_3)_3COC_6H_4CH_2CH(NH_2)COOCH_3 \cdot HCl$ $C_{14}H_{22}ClNO_3$ M = 287,79 g/mol	WG. *2925*	5 g	163,–	138,55	130,4
64378 A 3/1A C 3.2 2352 2 -1 °C	**Butyl vinyl ether** PROSYNTH® stabilized with hydroquinone (40 mg/l) *Ether butylvinylique / Eter butilvinílico* $CH_3(CH_2)_3OCH=CH_2$ $C_6H_{12}O$ M = 100,16 g/mol **1 L ≈ 0,78 kg** assay (GC) ..... 97% boiling range ..... 92–94 °C refractive index (n_D^{20}) ..... 1,400 R: 11-19 S: 9-16-33 disposal: 6	FL. *2908*	250 ml	28,–	23,80	22,6

mber R GVS ODE (GGVSee)	Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
iso-Butyl vinyl ether PROSYNTH®	FL.	250 ml	12,—	10,20	9,60	9,—
Ether iso-butylvinylique / Eter iso-butilvinilico	*2908*					
04 2 $(CH_3)_2CHCH_2OCH=CH_2$						
$C_6H_{12}O$ $M = 100{,}16$ g/mol **1 L ≈ 0,77 kg**						
assay (GC) 99%						
boiling range ..... 82—84 °C						
refractive index (n_D^{20}) 1,396						
R: 11-19 S: 9-16-33						
disposal: 6						
Butyndioic acid see Acetylenedicarboxylic acid						
Butyndioic acid monopotassium salt						
see Acetylenedicarboxylic acid monopotassium salt						
5 **Butyne-(2)-diol-(1,4)** PROSYNTH®	PF.	1 kg	36,75	31,25	29,40	28,30
22 *Butyne-(2)-diol-(1-4) / Butino-(2)-diol-(1,4)*	*2904*					
811 2 $HOCH_2C{\equiv}CCH_2OH$						
$C_4H_6O_2$ $M = 86{,}09$ g/mol						
assay (GC) 99%						
melting range ..... 54—55 °C						
keep in refrigerator						
à stocker dans le frigidaire						
almacenaje en la nevera						
R: 23/24/25 S: 44						
disposal: 6						
36 **Butyne-(1)-ol-(3) solution** 55% in water PROSYNTH®	FL.	250 ml	31,50	26,80	25,20	23,65
Butyne-(1)-ol-(3) en solution / Butino-(1)-ol-(3) en solución	*2904*					
$CH_3CH(OH)C{\equiv}CH$						
C_4H_6O $M = 70{,}09$ g/mol						
37 ***iso*-Butyraldehyde**	FL.	1 L	14,75	12,55	11,80	11,35
A *iso-Butyraldéhyde / iso-Butiraldehido*	STP.	20 kg	price on request			
2045 2 $(CH_3)_2CHCHO$	F.	170 kg	price on request			
C_4H_8O $M = 72{,}11$ g/mol **1 L ≈ 0,79 kg**	*2911*					
assay 99,5%						
boiling range ..... 63—65 °C						
R: 11 S: 9-29-33						
disposal: 14						
63 ***n*-Butyraldehyde**	FL.	1 L	12,50	10,65	10,—	9,65
A *n-Butyraldéhyde / n-Butiraldehido*	STP.	20 kg	price on request			
1129 2 $CH_3CH_2CH_2CHO$	*2911*					
C_4H_8O $M = 72{,}11$ g/mol **1 L ≈ 0,81 kg**						
assay 99,5%						
boiling range ..... 75—76 °C						
R: 11 S: 9-29-33						
disposal: 14						
54 **Butyramide** PROSYNTH®	WG.	100 g	24,75	21,05	19,80	18,55
Butyramide / Butiramida	*2925*					
$CH_3CH_2CH_2CONH_2$						
C_4H_9NO $M = 87{,}12$ g/mol						
assay (ex N) 98%						
melting range ..... 114—116 °C						
8 ***iso*-Butyric acid**	FL.	500 ml	13,50	11,50	10,80	10,40
C *Acide iso-butyrique / Acido iso-butírico*	FL.	1 L	24,—	20,40	19,20	18,50
$(CH_3)_2CHCOOH$	STP.	50 kg	price on request			
$C_4H_8O_2$ $M = 88{,}11$ g/mol **1 L ≈ 0,95 kg**	*2914*					
R: 21/22 disposal: 21						
6 ***n*-Butyric acid** pure abt. 99-100%	FL.	1 L	19,25	16,35	15,40	14,80
C *Acide n-butyrique / Acido n-butírico*	FL.	2,5 L	40,50	33,60	31,60	30,40
$CH_3CH_2CH_2COOH$	STP.	50 kg	kg	8,—		
$C_4H_8O_2$ $M = 88{,}11$ g/mol **1 L ≈ 0,96 kg**	*2914*					

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	Butyric acid amide see Butyramide					
	Butyric acid chloride see Butyryl chloride					
62237 A 3/4 C 8 1760 2 +88 °C	**Butyric anhydride** PROSYNTH® *Anhydride butyrique / Anhídrido butírico* $(CH_3CH_2CH_2CO)_2O$ $C_8H_{14}O_3$ M = 158,20 g/mol **1 L ≈ 0,97 kg** assay ..... 98 % boiling range ..... 198 – 200 °C refractive index (n_D^{20}) 1,413	FL. *2914*	1 L	35,50	30,20	28,40
62238 A 3/4 C 8 1760 2 +68 °C	***iso*-Butyric anhydride** PROSYNTH® *Anhydride iso-butyrique / Anhídrido iso-butírico* $(CH_3)_2CHCOOCOCH(CH_3)_2$ $C_8H_{14}O_3$ M = 158,20 g/mol **1 L ≈ 0,95 kg** assay (GC) ..... 98 % boiling range ..... 179 – 182 °C refractive index (n_D^{20}) 1,406	FL. *2914*	250 ml	30,25	25,70	24,20
	Butyrolactam see Pyrrolidone-(2)					
15255	**γ-Butyrolactone** *γ-Butyrolactone / γ-Butirolactona* $CH_2CH_2CH_2COO$ $C_4H_6O_2$ M = 86,09 g/mol **1 L ≈ 1,13 kg** assay ..... 99 %	FL. EKL. F. *2935*	1 L 35 kg 200 kg	32,75 price on request price on request	27,85	26,20
	Butyrone see Heptanone-(4)					
62255 A 6.1/2C C 3.2 2411 2 +21 °C	**Butyronitrile** PROSYNTH® *Butyronitrile / Butironitrilo* $CH_3CH_2CH_2CN$ C_4H_7N M = 69,11 g/mol **1 L ≈ 0,79 kg** assay (GC) ..... 99 % boiling range ..... 117 – 119 °C refractive index (n_D^{20}) ..... 1,385 R: 11-23/24/25 S: 16-27-44 disposal: 15	FL. *2927*	500 ml	19,25	16,35	15,40
62258 A 6.1/2C C 3.2 2284 2 +8 °C	***iso*-Butyronitrile** PROSYNTH® *iso-Butyronitrile / iso-Butironitrilo* $(CH_3)_2CHCN$ C_4H_7N M = 69,11 g/mol **1 L ≈ 0,76 kg** assay (GC) ..... 99 % boiling range ..... 101 – 103 °C refractive index (n_D^{20}) ..... 1,374 R: 11-23/24/25 S: 16-27-44 disposal: 15	FL. *2927*	1 L	30,75	26,15	24,60
62256 A 3/4 +97 °C	**Butyrophenone** PROSYNTH® *Butyrophénone / Butirofenona* $C_6H_5COCH_2CH_2CH_3$ $C_{10}H_{12}O$ M = 148,20 g/mol **1 L ≈ 0,99 kg** assay (GC) ..... 99 % boiling range (at 13 mbar) ..... 100 – 102 °C refractive index (n_D^{20}) 1,520	FL. *2913*	100 ml	16,—	13,60	12,80
60390 A 8/22 C 3.2 2353 2	**Butyryl chloride** PROSYNTH® *Butyryle chlorure / Butirilo cloruro* $CH_3CH_2CH_2COCl$ C_4H_7ClO M = 106,55 g/mol **1 L ≈ 1,02 kg** assay ..... 99 % boiling range ..... 100 – 102 °C refractive index (n_D^{20}) 1,412	FL. *2914*	100 ml	13,75	12,80	

mber GVS DDE (GGVSee)	Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
Butyrylcholine chloride BIOSYNTH® *Butyrylcholine chlorure / Butirilcolina cloruro* $CH_3CH_2CH_2COOCH_2CH_2N(CH_3)_3Cl$ $C_9H_{20}ClNO_2$ $M = 209{,}72$ g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	WG. *2924*	10 g	19,75	16,80	15,80	14,80
Butyrylcholine iodide BIOSYNTH® *Butyrylcholine iodure / Butirilcolina yoduro* $CH_3CH_2CH_2COOCH_2CH_2N(CH_3)_3J$ $C_9H_{20}JNO_2$ $M = 301{,}17$ g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	WG. *2924*	10 g	22,—	18,70	17,60	16,50
Butyrylthiocholine iodide BIOSYNTH® *Butyrylthiocholine iodure / Butiriltiocolina yoduro* $(CH_3)_3N(J)CH_2CH_2SCOCH_2CH_2CH_3$ $C_9H_{20}JNOS$ $M = 317{,}23$ g/mol melting range ..... 171—173 °C	FL. *2931*	5 g	34,—	28,90	27,20	25,50
Cabosil® for scintillation ® = trade mark of Cabot Carbon Ltd.	BL. *2813*	4 L	31,50	26,15	24,55	23,65
Cadion R. G. *Cadion / Cadión* $C_6H_5NHN=C_6H_4N=NC_6H_4NO_2$ $C_{18}H_{14}N_6O_2$ $M = 346{,}35$ g/mol	WG. *2813*	5 g	38,75	32,95	31,—	29,05
Cadmium R. G. granular, for the filling of reductors, granulation 0,3—1,5 mm *Cadmium / Cadmio* Cd $M = 112{,}41$ g/mol R: 20/21/22 S: 22 disposal: 26	PF. *8104*	250 g	52,—	44,20	41,60	39,—
Cadmium *Cadmium / Cadmio* Cd $M = 112{,}41$ g/mol assay ..... 99,95 % aluminium (Al) ..... 0,001 % lead (Pb) ..... 0,003 % iron (Fe) ..... 0,0005 % copper (Cu) ..... 0,0002 % zinc (Zn) ..... 0,001 % R: 20/21/22 S: 22 disposal: 26	PF. PF. *8104*	250 g 1 kg	50,50 169,—	42,95 143,65	40,40 135,20	37,90 130,15
0,100 g Cadmium FIXANAL® water-soluble standard for atom absorption *0,100 g Cadmium / 0,100 g Cadmio* ampoule	*3819*	1 pack	10,25	8,70	8,20	7,70
0,100 g *organo*-**Cadmium** FIXANAL® petroleum ether-soluble standard for atom absorption *0,100 g organo-Cadmium / 0,100 g organo-Cadmio* ampoule R: 10	*3819*	1 pack	33,75	28,70	27,—	25,30
1,00 g Cadmium FIXANAL® watersoluble standard for atom absorption *1,00 g Cadmium / 1,00 g Cadmio* ampoule R: 22 S: 24/25	*3819*	1 pack	10,25	8,70	8,20	7,70

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)
38840 C 6.1 2810 3	**10,00 g Cadmium** FIXANAL® as Cadmium chloride *10,00 g Cadmium / 10,00 g Cadmio* ampoule	*3819*	1 pack	18,75	15,95	15,—
	R: 22 S: 24/25					
32308 C 6.1 2570 3	**Cadmium acetate dihydrate** R. G. *Cadmium acétate dihydrate / Cadmio acetato dihidrato*	PF.	100 g	17,—	14,45	13,60
		PF.	250 g	32,—	27,20	25,60
		PF.	1 kg	105,50	89,70	84,40
		FTP.	25 kg	price on request		
		2914				
	$Cd(CH_3COO)_2 \cdot 2H_2O$ $C_4H_6CdO_4 \cdot 2H_2O$ $M = 266{,}53$ g/mol					
	assay ..... min. 99 % insoluble in water ..... max. 0,01 % aluminium (Al) ..... max. 0,005 % lead (Pb) ..... max. 0,005 % iron (Fe) ..... max. 0,0005 % copper (Cu) ..... max. 0,002 % zinc (Zn) ..... max. 0,001 % matters not precipitated by hydrogen sulphide (as sulphates) ..... max. 0,15 % chloride (Cl) ..... max. 0,002 % nitrate (NO_3) ..... max. 0,002 % sulphate (SO_4) ..... max. 0,005 % sulphide (S) ..... max. 0,002 %					
	R: 20/21/22 S: 22 disposal: 26					
25028 C 6.1 2570 3	**Cadmium acetate dihydrate** pure cryst. *Cadmium acétate dihydrate / Cadmio acetato dihidrato*	WG.	500 g	47,50	40,40	38,—
		WG.	1 kg	87,—	73,95	69,60
		FTP.	25 kg	price on request		
		2914				
	$Cd(CH_3COO)_2 \cdot 2H_2O$ $C_4H_6CdO_4 \cdot 2H_2O$ $M = 266{,}53$ g/mol					
	assay ..... 98 % lead (Pb) ..... 0,005 % iron (Fe) ..... 0,001 % copper (Cu) ..... 0,002 % chloride (Cl) ..... 0,005 % sulphate (SO_4) ..... 0,01 %					
	R: 20/21/22 S: 22 disposal: 26					
	Cadmium borofluoride solution see Cadmium fluoroborate solution					
02105 C 6.1 2570 3	**Cadmium bromide-4-hydrate** *Cadmium bromure-4-hydrate / Cadmio bromuro-4-hidrato*	PF.	250 g	24,—	20,40	19,20
		PF.	1 kg	80,50	68,45	64,40
		FTP.	50 kg	price on request		
		2830				
	$CdBr_2 \cdot 4H_2O$ $M = 344{,}28$ g/mol					
	assay ..... 99,5 % lead (Pb) ..... 0,005 % iron (Fe) ..... 0,001 % copper (Cu) ..... 0,001 % zinc (Zn) ..... 0,005 % chloride (Cl) ..... 0,3 % sulphate (SO_4) ..... 0,005 %					
	R: 20/21/22 S: 22 disposal: 26					
11706 C 6.1 2570 3	**Cadmium carbonate** chem. pure *Cadmium carbonate / Cadmio carbonato*	PF.	250 g	32,—	27,20	25,60
		PF.	1 kg	106,—	90,10	84,80
		FTP.	50 kg	price on request		
		2842				
	$CdCO_3$ $M = 172{,}42$ g/mol					
	assay ..... 99 % lead (Pb) ..... 0,002 % iron (Fe) ..... 0,002 % sodium (Na) ..... 0,1 % zinc (Zn) ..... 0,01 % chloride (Cl) ..... 0,002 % sulphate (SO_4) ..... 0,01 % total nitrogen (N) ..... 0,02 %					
	R: 20/21/22 S: 22 disposal: 26					

mber GVS DE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	Cadmium chloride-1-hydrate R. G. 3 *Cadmium chlorure-1-hydrate / Cadmio cloruro-1-hidrato* $CdCl_2 \cdot H_2O$ $M = 201{,}32$ g/mol assay ..... min. 99% insoluble in water ..... max. 0,005% ammonium (NH_4) ..... max. 0,005% lead (Pb) ..... max. 0,001% calcium (Ca) ..... max. 0,01% iron (Fe) ..... max. 0,001% potassium (K) ..... max. 0,01% copper (Cu) ..... max. 0,0005% magnesium (Mg) ..... max. 0,005% sodium (Na) ..... max. 0,01% zinc (Zn) ..... max. 0,01% nitrate (NO_3) ..... max. 0,005% sulphate (SO_4) ..... max. 0,005% R: 23/25-33-40 S: 22-44 disposal: 26	PF. PF. PF. *2830*	100 g 250 g 1 kg	18,75 42,— 141,—	15,95 35,70 119,85	15,— 33,60 112,80	14,05 31,50 108,55
70 3	**Cadmium chloride-1-hydrate** pure *Cadmium chlorure-1-hydrate / Cadmio cloruro-1-hidrato* $CdCl_2 \cdot H_2O$ $M = 201{,}33$ g/mol assay ..... 99% lead (Pb) ..... 0,005% iron (Fe) ..... 0,001% copper (Cu) ..... 0,001% zinc (Zn) ..... 0,02% sulphate (SO_4) ..... 0,01% R: 23/25-33-40 S: 22-44 disposal: 26	PF. PF. FTP. *2830*	250 g 1 kg 50 kg	26,75 89,—	22,75 75,65 price on request	21,40 71,20	20,05 68,55
310 2	**Cadmium fluoroborate solution** 50% for electroplating *Cadmium fluoroborate en solution / Cadmio fluoroborato en solución* $Cd(BF_4)_2$ $M = 286{,}02$ g/mol **1 L ≈ 1,60 kg** assay of Cd ..... 19,6—20,0% free fluoroboric acid (HBF_4) ..... 1—3% free boric acid (H_3BO_3) ..... 1—2% lead (Pb) ..... 0,002% iron (Fe) ..... 0,002% cobalt (Co) ..... 0,0005% copper (Cu) ..... 0,0005% nickel (Ni) ..... 0,0005% zinc (Zn) ..... 0,005% chloride (Cl) ..... 0,005% sulphate (SO_4) ..... 0,03% R: 20/21/22 S: 22 disposal: 27	PF. FPF. *2829*	1 L 45 kg	50,50	42,95 price on request	40,40	38,90
9 2810 2	**Cadmium fluoroborate solution** 50% special for electroplating *Cadmium fluoroborate en solution / Cadmio fluoroborato en solución* $Cd(BF_4)_2$ $M = 286{,}02$ g/mol **1 L ≈ 1,60 kg** assay of Cd ..... 19,6—20,0% free fluoroboric acid (HBF_4) ..... 1—3% free boric acid (H_3BO_3) ..... 1—2% lead (Pb) ..... 0,05% iron (Fe) ..... 0,002% cobalt (Co) ..... 0,0005% copper (Cu) ..... 0,0005% nickel (Ni) ..... 0,0005% zinc (Zn) ..... 0,005% chloride (Cl) ..... 0,005% sulphate (SO_4) ..... 0,005% R: 20/21/22 S: 22 disposal: 27	PF. FPF. *2829*	1 L 45 kg	56,50	48,05 price on request	45,20	43,50

PANPEHA® universal indicator paper in strips

Code-Number
A) RID/ADR
B) GGVE/GGVS
C) IMDG-CODE (GGVSee)

Type of package *B.T.N.* | Price per package DM | 1x | 6x (1 Box) | 24x (4 Boxes) | 96 (16 Boxes)

17905 **Cadmium hydrogen phosphate-4-hydrate** PURANAL®
C 6.1 2570 3 *Cadmium hydrogénophosphate-4-hydrate / Cadmio hidrógeno-fosfato-4-hidrato*

$CdHPO_4 \cdot 4H_2O$ $M = 280{,}45$ g/mol

R: 20/21/22 S: 22
disposal: 26

PF. *2840* | 1 kg | price on request

03105 **Cadmium iodide**
C 6.1 2570 3 *Cadmium iodure / Cadmio yoduro*

CdJ_2 $M = 366{,}22$ g/mol

assay	99 %
insoluble in water	0,01 %
iron (Fe)	0,001 %
copper (Cu)	0,0005 %
zinc (Zn)	0,005 %
sulphate (SO_4)	0,005 %

R: 23/25-33-40 S: 22-44
disposal: 26

WG. | 100 g | 17,50 | 14,90 | 14,— | 13,
WG. | 250 g | 40,25 | 34,20 | 32,20 | 30,
FTP. | 25 kg | price on request
2830

31310 **Cadmium nitrate-4-hydrate** R. G.
C 5.1 1477 2 *Cadmium nitrate-4-hydrate / Cadmio nitrato-4-hidrato*

$Cd(NO_3)_2 \cdot 4H_2O$ $M = 308{,}48$ g/mol

assay	min. 99 %
insoluble in water	max. 0,005 %
lead (Pb)	max. 0,005 %
iron (Fe)	max. 0,001 %
copper (Cu)	max. 0,0005 %
magnesium (Mg)	max. 0,01 %
sodium (Na)	max. 0,01 %
zinc (Zn)	max. 0,001 %
chloride (Cl)	max. 0,001 %
sulphate (SO_4)	max. 0,002 %

R: 20/21/22 S: 22
disposal: 26

PF. | 250 g | 23,50 | 20,— | 18,80 | 1
FTP. | 50 kg | price on request
2839

11714 **Cadmium nitrate-4-hydrate** chem. pure cryst.
C 5.1 1477 2 *Cadmium nitrate-4-hydrate / Cadmio nitrato-4-hidrato*

$Cd(NO_3)_2 \cdot 4H_2O$ $M = 308{,}48$ g/mol

assay	100 %
lead (Pb)	0,005 %
iron (Fe)	0,002 %
copper (Cu)	0,002 %
zinc (Zn)	0,005 %
chloride (Cl)	0,005 %
sulphate (SO_4)	0,005 %

R: 20/21/22 S: 22
disposal: 26

PF. | 250 g | 18,— | 15,30 | 14,40 | 1
PF. | 500 g | 32,75 | 27,85 | 26,20 | 2
PF. | 1 kg | 60,— | 51,— | 48,— | 4
FTP. | 50 kg | price on request
2839

11718 **Cadmium oxide** brown
C 6.1 2570 3 *Cadmium oxyde / Cadmio óxido*

CdO $M = 128{,}41$ g/mol

assay	99,7 %
lead (Pb)	0,005 %
iron (Fe)	0,005 %
copper (Cu)	0,0005 %
zinc (Zn)	0,001 %
chloride (Cl)	0,005 %
sulphate (SO_4)	0,03 %

R: 23/25-33-40 S: 22-44
disposal: 26

PF. *2828* | 250 g | 34,75 | 29,55 | 27,80 | 2

refer explanations

umber R GGVS CODE (GGVSee)	Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
Cadmium sulphate R. G., Reag. ACS *Cadmium sulfate / Cadmio sulfato* $CdSO_4 \cdot {}^{8}/_{3}H_2O$ $M = 256{,}51$ g/mol assay ..... min. 99% insoluble in water ..... max. 0,005% arsenic (As) ..... max. 0,00001% lead (Pb) ..... max. 0,002% calcium (Ca) ..... max. 0,005% iron (Fe) ..... max. 0,0005% potassium (K) ..... max. 0,005% copper (Cu) ..... max. 0,001% sodium (Na) ..... max. 0,005% zinc (Zn) ..... max. 0,001% chloride (Cl) ..... max. 0,001% nitrate (NO_3) ..... max. 0,002% R: 20/21/22 S: 22 disposal: 26	PF. 100 g PF. 500 g *2838*	14,— 57,50	11,90 48,90	11,20 46,—	10,50 44,30
Cadmium sulphate chem. pure Erg. B. 6 *Cadmium sulfate / Cadmio sulfato* $CdSO_4 \cdot {}^{8}/_{3}H_2O$ $M = 256{,}51$ g/mol assay ..... 98% arsenic (As) ..... 0,0005% iron (Fe) ..... 0,002% zinc (Zn) ..... 0,01% matters not precipitated by hydrogen sulphide (as sulphates) ..... 0,2% chloride (Cl) ..... 0,005% nitrate (NO_3) ..... 0,01% R: 20/21/22 S: 22 disposal: 26	PF. 100 g PF. 500 g PF. 1 kg FTP. 50 kg *2838*	10,75 37,25 68,50 price on request	9,15 31,65 58,25	8,60 29,80 54,80	8,05 28,70 52,75
Cadmium sulphide orange, 99% *Cadmium sulfure / Cadmio sulfuro* CdS $M = 144{,}48$ g/mol	PF. 250 g PF. 1 kg FTP. 50 kg *2835*	34,25 124,— price on request	29,10 105,40	27,40 99,20	25,70 95,50
Cadmium sulphide for photo resistance *Cadmium sulfure / Cadmio sulfuro* CdS $M = 144{,}48$ g/mol	PF. 100 g PF. 250 g PF. 500 g PF. 1 kg *2835*	55,50 125,50 229,— 419,—	47,20 106,70 194,65 356,15	44,40 100,40 183,20 335,20	41,65 94,15 176,35 322,65
Caesignost® R.G. *Caesignost® / Caesignost®* ® = trade mark of Heyl & Co. $NaB(C_6H_5)_3CN$ $C_{19}H_{15}BNNa$ $M = 291{,}13$ g/mol	WG. 5 g *2934*	54,50	46,35	43,60	40,90
Caesium see see Cesium					
Caffeic acid see 3,4-Dihydroxycinnamic acid					
Caffeine PROSYNTH® *Caféine / Cafeina* $C_8H_{10}N_4O_2$ $M = 194{,}19$ g/mol assay ..... 99% melting range ..... 235—238 °C	WG. 5 g WG. 100 g *2942*	54,50 12,—	46,35 10,20	43,60 9,60	40,90 9,—
Calcein indicator for the complexometry *Calcéine / Calceína* $C_{30}H_{26}N_2O_{13}$ $M = 622{,}54$ g/mol	FL. 1 g WG. 10 g *2935*	12,— 72,50	10,20 61,65	9,60 58,—	9,— 54,40
Calcit see Calcium carbonate					

PEHANAL® universal indicator paper in rolls

Code-Number
A) RID/ADR
B) GGVE/GGVS
C) IMDG-CODE (GGVSee)

		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	9 (16 Bo
12001 A 4.3/1A C 4.3 1401 2	**Calcium** granular 2—6 mm *Calcium / Calcio* Ca M = 40,08 g/mol assay ..... 97—99% R: 15 S: 8-24/25-43A disposal: 28	BL. BL. *2805*	100 g 1 kg	18,75 119,—	15,95 101,15	15,— 95,20	14 9
38604	**0,100 g Calcium** FIXANAL® water-soluble standard for atom absorption *0,100 g Calcium / 0,100 g Calcio* ampoule	*3819*	1 pack	10,25	8,70	8,20	
38652 A 3/3 C 3.3 1115 2 +25 °C	**0,100 g** *organo*-**Calcium** FIXANAL® petroleum ether-soluble standard for atom absorption *0,100 g organo-Calcium / 0,100 g organo-Calcio* ampoule	*3819*	1 pack	33,75	28,70	27,—	2
38558	R: 10 **1,00 g Calcium** FIXANAL® watersoluble standard for atom absorption *1,00 g Calcium / 1,00 g Calcio* ampoule	*3819*	1 pack	10,25	8,70	8,20	
38845	**10,00 g Calcium** FIXANAL® as Calcium chloride *10,00 g Calcium / 10,00 g Calcio* ampoule	*3819*	1 pack	18,75	15,95	15,—	1
25011	**Calcium acetate** chem. pure *Calcium acétate / Calcio acetato* $Ca(CH_3COO)_2 \cdot xH_2O$ $C_4H_6CaO_4 \cdot xH_2O$ M = (anhydrous) 158,17 g/mol assay of Ca $(CH_3COO)_2$ ..... 94% pH (5%, 20 °C) ..... pH (5%, 20°C) arsenic (As) ..... 0,0005% iron (Fe) ..... 0,002% heavy metals (as Pb) ..... 0,001% chloride (Cl) ..... 0,005% sulphate (SO_4) ..... 0,05% $KMnO_4$ red. matter (as HCOOH) 0,2%	PF. S. *2914*	1 kg 25 kg	19,— kg	16,15 6,—	15,20	1
25012	**Calcium acetate** pure *Calcium acétate / Calcio acetato* $Ca(CH_3COO)_2 \cdot xH_2O$ $C_4H_6CaO_4 \cdot xH_2O$ M = (anhydrous) 176,18 g/mol assay of $Ca(CH_3COO)_2$ ..... 94% arsenic (As) ..... 0,0001% iron (Fe) ..... 0,005% heavy metals (as Pb) ..... 0,005% chloride (Cl) ..... 0,01% sulphate (SO_4) 0,1%	PF. S. S. S. *2914*	1 kg 25 kg 5x 10x	14,75 kg kg kg	12,55 4,65 4,25 4,—	11,80	1
20105	**Calcium** *sec.*-**amylallylbarbiturate** *Calcium sec.-amylallylbarbiturate / Calcio sec.-amilalilbarbiturato*	PF. FTP. *2925*	1 kg 50 kg	price on request price on request			
04223	**Calciumbis(dihydrogen phosphate)** chem. pure cryst. *Calciumbis(dihydrogénophosphate) / Calciobis(dihidrógeno-fosfato)* $Ca(H_2PO_4)_2 \cdot H_2O$ M = 252,07 g/mol assay ..... 92% free acid (H_3PO_4) ..... 5% arsenic (As) ..... 0,0001% iron (Fe) ..... 0,01% heavy metals (as Pb) ..... 0,001% chloride (Cl) ..... 0,002% sulphate (SO_4) 0,05%	PF. PF. S. *2840*	1 kg 2,5 kg 50 kg	25,75 54,50 price on request	21,90 45,25	20,60 42,50	1 4

refer explanations

umber R GGVS CODE (GGVSee)	Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
Calcium bromide chem. pure Erg. B. 6, B. P. C. 1949, N. F. XI *Calcium bromure / Calcio bromuro* $CaBr_2 \cdot 2H_2O$ $M = 235{,}92$ g/mol assay ..... 100% arsenic (As) ..... 0,0003% iron (Fe) ..... 0,003% heavy metals (as Pb) ..... 0,0005% chloride (Cl) 0,03%	PF. PF. FTP. *2830*	1 kg 2,5 kg 50 kg	33,25 74,— price on request	28,25 61,40	26,60 57,70	25,60 55,50
Calcium carbonate R. G. *Calcium carbonate / Calcio carbonato* $CaCO_3$ $M = 100{,}09$ g/mol assay ..... min. 99% insoluble in hydrochloric acid ..... max. 0,005% barium (Ba) ..... max. 0,005% lead (Pb) ..... max. 0,0005% potassium (K) ..... max. 0,01% iron (Fe) ..... max. 0,001% copper (Cu) ..... max. 0,0005% magnesium (Mg) ..... max. 0,05% sodium (Na) ..... max. 0,2% strontium (Sr) ..... max. 0,1% chloride (Cl) ..... max. 0,005% sulphate (SO_4) ..... max. 0,005% total nitrogen (N) ..... max. 0,001%	PF. PF. PF. *2842*	250 g 500 g 1 kg	12,— 20,— 36,—	10,20 17,— 30,60	9,60 16,— 28,80	9,— 15,40 27,70
2 **Calcium carbonate** for silicate analysis *Calcium carbonate / Calcio carbonato* $CaCO_3$ $M = 100{,}09$ g/mol assay ..... min. 99% insoluble in acid ..... max. 0,005% barium (Ba) ..... max. 0,02% iron (Fe) ..... max. 0,001% potassium (K) ..... max. 0,002% magnesium (Mg) ..... max. 0,02% sodium (Na) ..... max. 0,005% heavy metals (as Pb) ..... max. 0,001% strontium (Sr) ..... max. 0,02% chloride (Cl) ..... max. 0,02% sulphate (SO_4) ..... max. 0,01% total nitrogen (N) ..... max. 0,01%	PF. *2842*	1 kg	40,25	34,20	32,20	31,—
0 **Calcium carbonate** chem. pure precipitated Ph. Eur. I, B. P. 1973, Ph. Franç. IX, U. S. P. XIX *Calcium carbonate / Calcio carbonato* $CaCO_3$ $M = 100{,}09$ g/mol assay (calculated on dried substance) ..... 99% insoluble in hydrochloric acid ..... 0,1% loss on drying (200 °C, 4 h) ..... 0,5% alkali metals and magnesium (as sulphates) ..... 0,5% arsenic (As) ..... 0,0002% iron (Fe) ..... 0,01% heavy metals (as Pb) ..... 0,001% chloride (Cl) ..... 0,02% fluorine (F) ..... 0,002% sulphate (SO_4) 0,05%	PF. K. S. S. *2842*	1 kg 2,5 kg 25 kg 5x	11,— 22,75 kg kg	9,35 18,90 1,85 1,75	8,80 17,75	8,45 17,05
09 **Calcium carbonate** pure precipitated light snow-white *Calcium carbonate / Calcio carbonato* $CaCO_3$ $M = 100{,}09$ g/mol assay ..... 98,5% iron (Fe) ..... 0,03% chloride (Cl) ..... 0,05% sulphate (SO_4) 0,1%	K. S. S. *2842*	2,5 kg 25 kg 5x	18,75 kg kg	15,55 1,45 1,35	14,65	14,05
14 **Calcium chloride** 98% granular for micro-analysis *Calcium chlorure / Calcio cloruro* $CaCl_2$ $M = 110{,}99$ g/mol granulation ..... abt. 0,5—2 mm	PF. PF. *2830*	500 g 1 kg	36,— 66,—	30,60 56,10	28,80 52,80	27,70 50,80
30 **Calcium chloride** 98—99% crude coarse granular *Calcium chlorure / Calcio cloruro* $CaCl_2 \cdot xH_2O$ $M =$ (anhydrous) 110,99 g/mol granulation ..... abt. 0,8—4 cm	PF. S. *2830*	2,5 kg 50 kg	28,50 price on request	23,65	22,25	21,40

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	9 (16 B
12021	**Calcium chloride** 95% pure granular *Calcium chlorure / Calcio cloruro* $CaCl_2$ M = 110,99 g/mol assay ... 95% iron (Fe) ... 0,002% heavy metals (as Pb) ... 0,002% sulphate (SO_4) ... 0,05% granulation ... abt. 3—10 mm	PF. PF. S. *2830*	1 kg 2,5 kg 50 kg	15,50 32,— price on request	13,20 26,55	12,40 24,95	1 2
12029	**Calcium chloride** 90—95% crude powder *Calcium chlorure / Calcio cloruro* $CaCl_2 \cdot xH_2O$ M = (anhydrous) 110,99 g/mol	PF. S. *2830*	5 kg 50 kg	38,75 price on request	32,15	30,25	2
12031	**Calcium chloride** 90—95% crude fine granular (abt. 1 cm) *Calcium chlorure / Calcio cloruro* $CaCl_2 \cdot xH_2O$ M = (anhydrous) 110,99 g/mol	PF. PF. *2830*	1 kg 2,5 kg	20,75 44,25	17,65 36,75	16,60 34,50	3
12018	**Calcium chloride** abt. 90% pure granular *Calcium chlorure / Calcio cloruro* $CaCl_2 \cdot xH_2O$ M = (anhydrous) 110,99 g/mol assay ... 90% loss on ignition (600 °C, 15 min.) ... 9% iron (Fe) ... 0,001% heavy metals (as Pb) ... 0,001%	PF. PF. S. *2830*	1 kg 2,5 kg 25 kg	21,50 45,25 price on request	18,30 37,55	17,20 35,30	3
31216	**Calcium chloride** 84% R. G. granular *Calcium chlorure / Calcio cloruro* $CaCl_2 \cdot xH_2O$ M = (anhydrous) 110,99 g/mol assay of $CaCl_2$ ... 82—86% pH (5%, 20 °C) ... 6—9 iron (Fe) ... max. 0,0005% magnesium (Mg) ... max. 0,1% sodium (Na) ... max. 0,05% heavy metals (as Pb) ... max. 0,001% sulphate (SO_4) ... max. 0,05% granulation ... abt. 3—10 mm	PF. PF. PF. FTP. *2830*	500 g 1 kg 2,5 kg 50 kg	14,50 26,25 56,— kg	12,35 22,30 46,50 12,—	11,60 21,— 43,70	1 2 4
12069	**Calcium chloride** 84% chem. pure granular *Calcium chlorure / Calcio cloruro* $CaCl_2 \cdot xH_2O$ M = (anhydrous) 110,99 g/mol assay of $CaCl_2$ ... 82—86% pH range (5%, 20 °C) ... 6—9 iron (Fe) ... 0,001% magnesium (Mg) ... 0,3% sodium (Na) ... 0,1% heavy metals (as Pb) ... 0,001% sulphate (SO_4) ... 0,05% granulation ... abt. 3—10 mm	PF. PF. PF. S. S. *2830*	500 g 1 kg 5 kg 50 kg 5x	10,75 16,75 62,50 kg kg	9,15 14,25 51,90 6,50 6,35	8,60 13,40 48,75	
31307	**Calcium chloride-2-hydrate** R. G., Reag. ACS, Reag. Ph. Eur. I *Calcium chlorure-2-hydrate / Calcio cloruro-2-hidrato* $CaCl_2 \cdot 2H_2O$ M = 147,02 g/mol assay ... 99—101% insoluble in water ... max. 0,005% pH (5%, 20 °C) ... 5—8 ammonium (NH_4) ... max. 0,005% arsenic (As) ... max. 0,0001% barium (Ba) ... max. 0,005% iron (Fe) ... max. 0,0005% potassium (K) ... max. 0,005% magnesium (Mg) ... max. 0,005% sodium (Na) ... max. 0,005% heavy metals (as Pb) ... max. 0,0005% strontium (Sr) ... max. 0,01%	PF. PF. PF. FTP. *2830*	500 g 1 kg 5 kg 50 kg	11,— 15,50 59,— kg	9,35 13,20 48,95 5,—	8,80 12,40 46,—	

refer explanations

Number DR /GGVS -CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	Calcium chloride-2-hydrate chem. pure Ph. Eur. I, B. P. 1973, Ph. Franç. IX, U. S. P. XIX *Calcium chlorure-2-hydrate / Calcio cloruro-2-hidrato* $CaCl_2 \cdot 2H_2O$ $M = 147{,}02$ g/mol assay ..... 100 % free acid (as HCl) ..... 0,002 % free alkali (as CaO) ..... 0,002 % aluminium (Al) ..... passes test arsenic (As) ..... 0,0001 % barium (Ba) ..... passes test iron (Fe) ..... 0,0005 % magnesium (Mg) ..... 0,03 % sodium (Na) ..... 0,005 % heavy metals (as Pb) ..... 0,0005 % sulphate (SO_4) ..... 0,01 %	PF. PF. PF. S. *2830*	1 kg 2,5 kg 5 kg 50 kg	11,75 24,— 42,75 price on request	10,— 19,90 35,50	9,40 18,70 33,35	9,05 18,— 32,05
	Calcium chloride-6-hydrate chem. pure cryst. Erg. B. 6, Cod. Franç. 1965, Ph. Nord. 1963 *Calcium chlorure-6-hydrate / Calcio cloruro-6-hidrato* $CaCl_2 \cdot 6H_2O$ $M = 219{,}08$ g/mol assay ..... 99 % congealing range ..... 28,5—30,0 °C arsenic (As) ..... 0,0001 % iron (Fe) ..... 0,0005 % heavy metals (as Pb) ..... 0,001 % substances not precipitated by ammonium oxalate (as sulphates) ..... 0,4 % sulphate (SO_4) ..... 0,01 %	PF. PF. S. *2830*	1 kg 5 kg 50 kg	9,50 31,— price on request	8,10 25,75	7,60 24,20	7,30 23,25
	Calcium citrate pure Erg. B. 6 *Calcium citrate / Calcio citrato* $Ca_3(C_6H_5O_7)_2 \cdot 4H_2O$ $C_{12}H_{10}Ca_3O_{14} \cdot 4H_2O$ $M = 570{,}50$ g/mol assay ..... 99 % arsenic (As) ..... 0,0001 % iron (Fe) ..... 0,002 % heavy metals (as Pb) ..... 0,002 % chloride (Cl) ..... 0,005 % sulphate (SO_4) ..... 0,01 %	PF. PF. *2916*	500 g 2,5 kg	11,50 43,75	9,80 36,30	9,20 34,15	8,85 32,80
	Calcium dihydrogen phosphate see Calciumbis(dihydrogen phosphate)						
	Calcium fluoride (europium activated) for scintillation *Calcium fluorure / Calcio fluoruro*	PF. PF. *3207*	100 g 1 kg	price on request price on request			
	Calcium fluoride PURANAL® *Calcium fluorure / Calcio fluoruro* CaF_2 $M = 78{,}08$ g/mol analytical data on request	PF. FTP. *2829*	5 kg 50 kg	price on request price on request			
	Calcium fluoride COTAL® powder *Calcium fluorure / Calcio fluoruro* CaF_2 $M = 78{,}08$ g/mol	PF. FTP. *2829*	100 g 25 kg	33,25 price on request	28,25	26,60	24,95
	Calcium fluoride pure *Calcium fluorure / Calcio fluoruro* CaF_2 $M = 78{,}08$ g/mol assay ..... 96 % arsenic (As) ..... 0,0005 % lead (Pb) ..... 0,01 % iron (Fe) ..... 0,03 % chloride (Cl) ..... 0,1 % sulphate (SO_4) ..... 0,005 %	PF. PF. PF. S. *2829*	500 g 1 kg 2,5 kg 50 kg	17,25 31,50 67,50 price on request	14,65 26,80 56,05	13,80 25,20 52,65	13,30 24,25 50,65
	Calcium fluoride for glass industry *Calcium fluorure / Calcio fluoruro* CaF_2 $M = 78{,}08$ g/mol assay of CaO ..... 68,5—71,8 % assay of F ..... 46,0—48,7 % loss on ignition (500 °C) ..... max. 1,5 % iron (as Fe_2O_3) ..... max. 0,003 %	PF. FTP. *2829*	1 kg 50 kg	price on request price on request			

Code-Number
A) RID/ADR
B) GGVE/GGVS
C) IMDG-CODE (GGVSee)

		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	9 (16 B
01905	**Calcium fluoride** native (fluorspar) powder *Calcium fluorure / Calcio fluoruro* CaF_2 $M = 78{,}08$ g/mol	PF. S. *2531*	5 kg 50 kg	32,75 price on request	27,20	25,55	2
12036 A 4.3/2B C 4.3 1404 1	**Calcium hydride** *Calcium hydrure / Calcio hidruro* CaH_2 $M = 42{,}10$ g/mol 94 % assay of calcium (Ca) ..... 0,3 % aluminium (Al) ..... 1 % magnesium (Mg) ..... 0,6 % nitrogen (N) ..... R: 15 S: 7/8-24/25-43A disposal: 28	BL. BL. BL. *2857*	50 g 250 g 500 g	11,— 44,50 81,—	9,35 37,85 68,85	8,80 35,60 64,80	3 6
04232	**Calcium hydrogen phosphate** chem. pure anhydrous powder *Calcium hydrogénophosphate / Calcio hidrógeno-fosfato* $CaHPO_4$ $M = 136{,}06$ g/mol 98 % assay ..... 6,5—8,5 % loss on ignition (850 °C) ..... 0,001 % arsenic (As) ..... 0,1 % iron (Fe) ..... 0,003 % heavy metals (as Pb) ..... 0,05 % chloride (Cl) ..... 0,5 % sulphate (SO_4) ..... abt. 0,05 mm average granulation ..... 1,2 apparent density	PF. S. *2840*	1 kg 50 kg	22,50 price on request	19,15	18,—	1
04231	**Calcium hydrogen phosphate-2-hydrate** chem. pure Ph. Eur. I, Ph. Franç. IX *Calcium hydrogénophosphate-2-hydrate / Calcio hidrógeno-fosfato-2-hidrato* $CaHPO_4 \cdot 2H_2O$ $M = 172{,}09$ g/mol 99,5 % assay ..... 0,0001 % arsenic (As) ..... 0,005 % iron (Fe) ..... 0,002 % heavy metals (as Pb) ..... 0,01 % chloride (Cl) ..... 0,005 % fluoride (F) ..... 0,1 % sulphate (SO_4)	PF. PF. S. S. *2840*	1 kg 5 kg 50 kg 5x	14,25 48,— kg kg	12,10 39,85 5,30 5,05	11,40 37,45	
31219	**Calcium hydroxide** R. G. Reag. Ph. Eur. I *Calcium hydroxide / Calcio hidróxido* $Ca(OH)_2$ $M = 74{,}09$ g/mol min. 96 % assay ..... max. 3 % assay of $CaCO_3$ ..... max. 0,1 % insoluble in hydrochloric acid ..... max. 0,05 % iron (Fe) ..... max. 0,005 % heavy metals (as Pb) ..... substances not precipitated by ammonium oxalate (as sulphates) ..... max. 2,5 % chloride (Cl) ..... max. 0,005 % sulphate (SO_4) ..... max. 0,05 %	PF. PF. FTP. *2828*	500 g 1 kg 50 kg	13,— 21,75 kg	11,05 18,50 7,85	10,40 17,40	
12038	**Calcium hydroxide** *Calcium hydroxyde / Calcio hidróxido* $Ca(OH)_2$ $M = 74{,}09$ g/mol 97 % assay ..... iron (Fe) ..... 0,1 % heavy metals (as Pb) ..... 0,005 % substances not precipitated by ammonium oxalate (as sulphates) ..... 2,5 % chloride (Cl) ..... 0,02 % sulphate (SO_4) ..... 0,05 %	PF. S. S. S. S. *2522*	2,5 kg 30 kg 5x 10x 20x	13,75 kg kg kg kg	11,40 1,20 1,10 1,05 1,—	10,75	

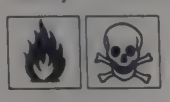
penta-**Calcium hydroxide triphosphate** see *tri*-Calcium phosphate

refer explanations

Number DR /GGVS -CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	Calcium hypochlorite DAB 6 *Chaux chlorure / Cal cloruro*	S. *2831*	50 kg	price on request			
	Calcium hypophosphite chem. pure DAC, B. P. C 1963, N. F. X *Calcium hypophosphite / Calcio hipofosfito* $Ca(PH_2O_2)_2$ *M* = 170,06 g/mol assay ..... 98–101 % loss on drying (105 °C, 1 h) ..... 1 % free acid (as H_3PO_4) ..... 0,4 % arsenic (As) ..... 0,0001 % barium (Ba) ..... passes test iron (Fe) ..... 0,0005 % heavy metals (as Pb) ..... 0,0005 % chloride (Cl) ..... 0,005 % phosphate and phosphite ..... passes test sulphate (SO_4) ..... 0,02 %	PF. PF. FTP. *2840*	1 kg 5 kg 50 kg	45,– 189,– price on request	38,25 156,85	36,– 147,40	34,65 141,75
	Calcium iodide-4-hydrate chem. pure *Calcium iodure-4-hydrate / Calcio yoduro-4-hidrato* $CaJ_2 \cdot 4H_2O$ *M* = 365,95 g/mol assay ..... 99 % iron (Fe) ..... 0,0005 % heavy metals (as Pb) ..... 0,001 % substances not precipitated by ammonium oxalate (as sulphates) ..... 0,3 % bromide and chloride (as Cl) ..... 0,03 % thiosulphate (S_2O_3) ..... 0,1 %	WG. *2830*	500 g	49,50	42,10	39,60	38,10
	Calcium lactate *Calcium lactate / Calcio lactato* $Ca(CH_3CHOHCOO)_2 \cdot xH_2O$ $C_6H_{10}CaO_6 \cdot xH_2O$ *M* = (anhydrous) 218,22 g/mol assay of $C_6H_{10}CaO_6$ (in dried substance) ..... 98 % loss on drying (120 °C) ..... 24 % alkali- and magnesium ions (as sulphates) ..... 0,5 % iron (Fe) ..... 0,002 % heavy metals (as Pb) ..... 0,002 % chloride (Cl) ..... 0,005 % sulphate (SO_4) ..... 0,01 %	PF. S. S. S. *2916*	1 kg 25 kg 5x 10x	17,25 kg kg kg	14,65 7,50 7,30 7,15	13,80	13,30
	Calcium malonate (water containing) *Calcium malonate / Calcio malonato* $Ca(OCO)_2CH_2$ $C_3H_2CaO_4$ *M* = 142,13 g/mol assay ..... 80–81 % iron (Fe) ..... 0,03 % sulphate (SO_4) ..... 0,01 %	PF. FTP. *2915*	1 kg 50 kg	31,50 price on request	26,80	25,20	24,25
	Calcium metaborate technical powder *Calcium métaborate / Calcio metaborato* $Ca(BO_2)_2 \cdot 2H_2O$ *M* = 161,73 g/mol assay of calcium (as CaO) ..... 33 % assay of boron (as B_2O_3) ..... 43 % loss on ignition (800 °C, 2 h) ..... 24 %	PF. S. *2846*	1 kg 50 kg	14,75 price on request	12,55	11,80	11,35
	Calcium metaborate see Calcium *meta*-borate						
	Calcium nitrate-4-hydrate R. G. *Calcium nitrate-4-hydrate / Calcio nitrato-4-hidrato* $Ca(NO_3)_2 \cdot 4H_2O$ *M* = 236,15 g/mol assay ..... min. 98 % insoluble in water ..... max. 0,005 % pH (5 %, 20 °C) ..... 4,5–7,0 ammonium (NH_4) ..... max. 0,005 % barium (Ba) ..... max. 0,005 % iron (Fe) ..... max. 0,0005 % magnesium (Mg) ..... max. 0,05 % sodium (Na) ..... max. 0,05 % heavy metals (as Pb) ..... 0,001 % chloride (Cl) ..... max. 0,002 % phosphate (PO_4) ..... max. 0,001 % sulphate (SO_4) ..... max. 0,005 %	PF. PF. FTP. *2839*	500 g 1 kg 50 kg	10,75 19,50 kg	9,15 16,60 7,55	8,60 15,60	8,30 15,–

Code-Number
A) RID/ADR
B) GGVE/GGVS
C) IMDG-CODE (GGVSee)

		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)
12040	**Calcium nitrate-4-hydrate** chem. pure *Calcium nitrate-4-hydrate / Calcio nitrato-4-hidrato* $Ca(NO_3)_2 \cdot 4H_2O$ $M = 236{,}15$ g/mol assay ..... 98 % pH (5 %, 20 °C) ..... 4 – 7 iron (Fe) ..... 0,001 % heavy metals (as Pb) ..... 0,002 % chloride (Cl) ..... 0,005 % sulphate (SO_4) ..... 0,01 %	PF. PF. S. *2839*	1 kg 5 kg 50 kg	12,– 41,– price on request	10,20 34,05	9,60 32,–
C 5.1 1454 3						
12044	**Calcium oxide** DAB 6, N. F. XII *Calcium oxyde / Calcio óxido* CaO $M = 56{,}08$ g/mol assay (ex ignited substance) ..... 98,5 % insoluble in hydrochloric acid ..... 0,1 % loss on ignition ..... 5 % substances not precipitated by ammonium oxalate (as sulphates) ..... 2 %	BL. PF. *2522*	1 kg 5 kg	11,– 34,50	9,35 28,65	8,80 26,90
12076	**Calcium oxide** *Calcium oxyde / Calcio óxido* CaO $M = 56{,}08$ g/mol assay (acidimetric) ..... 95 % insoluble in hydrochloric acid ..... 0,1 % loss on ignition ..... 3 % iron (Fe) ..... 0,03 % heavy metals (as Pb) ..... 0,005 % substances not precipitated by ammonium oxalate (as sulphates) ..... 3 % chloride (Cl) ..... 0,05 % sulphate (SO_4) ..... 0,5 %	PF. PF. *2828*	500 g 1 kg	9,50 16,50	8,10 14,05	7,60 13,20
12047	**Calcium oxide** fine powder *Calcium oxyde / Calcio óxido* CaO $M = 56{,}08$ g/mol assay (ex ignited substance) ..... 96 % insoluble in hydrochloric acid ..... 0,5 % loss on ignition ..... 2,5 % substances not precipitated by ammonium oxalate (as sulphates) ..... 2 %	PF. PF. S. *2522*	1 kg 5 kg 50 kg	10,50 31,25 price on request	8,95 25,95	8,40 24,40
39219	**Calcium-D(+)-pantothenate** BIOSYNTH® *Calcium-D(+)-pantothénate / Calcio-D(+)-pantotenato* $[HOCH_2C(CH_3)_2CHOHCONHCH_2CH_2COO]_2Ca$ $C_{18}H_{32}CaN_2O_{10}$ $M = 476{,}54$ g/mol assay (ex Ca) ..... 97,5 % melting range ..... 200 – 201 °C specific rotation ($[\alpha]_D^{20}$; c = 5 in H_2O) ..... +26° ± 2° keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	PF. *2938*	50 g	44,25	37,60	35,40
12107	**Calcium peroxide** for Thiokol® hardening abt. 60 % CaO_2 *Calcium peroxyde / Calcio peróxido* ® = trade mark of Thiokol Co. CaO_2 $M = 72{,}08$ g/mol R: 9 S: 24/25-27 disposal: 16	WG. BLT. *2828*	1 kg 50 kg	28,25 price on request	24,–	22,60
A 5.1/9B						
C 5.1 1457 2						
30406	***tri*-Calcium phosphate** R. G. *tri-Calcium phosphate / tri-Calcio fosfato* $Ca_5(PO_4)_3OH$ $M = 502{,}32$ g/mol insoluble in hydrochloric acid ..... max. 0,015 % arsenic (As) ..... max. 0,0002 % barium (Ba) ..... max. 0,01 % iron (Fe) ..... max. 0,005 % magnesium (Mg) ..... max. 0,05 % heavy metals (as Pb) ..... max. 0,01 % chloride (Cl) ..... max. 0,005 % total nitrogen (N) ..... max. 0,1 %	PF. PF. *2840*	250 g 1 kg	38,25 132,–	32,50 112,20	30,60 105,60

mber GVS DE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	***tri*-Calcium phosphate** chem. pure B. P. C. 1973 *tri-Calcium phosphate / tri-Calcio fosfato* $Ca_5(PO_4)_3OH$ $M = 502{,}32$ g/mol assay [as $Ca_3(PO_4)_2$] ..... 97% insoluble in hydrochloric acid ..... 0,2% water (according to Karl Fischer) ..... 2% arsenic (As) ..... 0,0002% lead (Pb) ..... 0,0003% iron (Fe) ..... 0,02% chloride (Cl) ..... 0,1% fluorine (F) ..... 0,005% sulphate (SO_4) 0,5%	PF. PF. S. *2840*	1 kg 2,5 kg 25 kg	19,— 39,25 price on request	16,15 32,60	15,20 30,60	14,65 29,45
	Calcium phosphate dibasic see Calcium hydrogen phosphate						
	Calcium phosphate monobasic see Calciumbis(dihydrogen phosphate)						
	Calcium phosphate tribasic see *tri*-Calcium phosphate						
60 1	**Calcium phosphide** *Calcium phosphure / Calcio fosfuro* Ca_3P_2 $M = 182{,}19$ g/mol assay of active phosphorus (P) ..... 12%  R: 15-29-28 S: 1/2-22-43A-45 disposal: 29	BL. BL. *2855*	250 g 1 kg	13,25 34,50	11,25 29,35	10,60 27,60	9,95 26,55
	Calcium propionate *Calcium propionate / Calcio propionato* $Ca(CH_3CH_2COO)_2$ $C_6H_{10}CaO_4$ $M = 186{,}22$ g/mol assay in dried substance ..... 99,5% loss on drying (105 °C, 4 h) ..... 4% pH (10%, 20 °C) ..... 7—9 arsenic (As) ..... 0,0001% lead (Pb) ..... 0,0005% iron (Fe) ..... 0,0005% copper (Cu) ..... 0,001% magnesium (Mg) ..... 0,1% zinc (Zn) 0,001%	PF. S. *2914*	1 kg 25 kg	19,— price on request	16,15	15,20	14,65
	Calcium rhodanide see Calcium thiocyanate						
9	**Calcium-D-saccharate** BIOSYNTH® *Calcium-D-saccharate / Calcio-D-sacarato* $C_6H_8CaO_8 \cdot 4H_2O$ $M = 320{,}27$ g/mol	PF. *2943*	100 g	37,75	32,10	30,20	28,30
3	**Calcium silicate** pure *Calcium silicate / Calcio silicato* assay of CaO ..... 17—20% assay of SiO_2 ..... 59—65%	PF. PF. S. *2845*	500 g 1 kg 20 kg	9,— 14,50 price on request	7,65 12,35	7,20 11,60	6,95 11,15
	Calcium silicofluoride see Calcium fluorosilicate						
1	**Calcium stearate** pure *Calcium stéarate / Calcio estearato*	PF. S. *2914*	1 kg 20 kg	18,— price on request	15,30	14,40	13,85
1	**Calcium sucrate** *Chaux sucrée / Cal azucarada*	PF. S. *3003*	1 kg 50 kg	17,25 price on request	14,65	13,80	13,30
1	**Calcium sulphate-2-hydrate** R. G. *Calcium sulfate-2-hydrate / Calcio sulfato-2-hidrato* $CaSO_4 \cdot 2H_2O$ $M = 172{,}17$ g/mol assay ..... 99—101% insoluble in hydrochloric acid ..... max. 0,02% free acid (as H_2SO_4) ..... max. 0,01% iron (Fe) ..... max. 0,0005% magnesium and alkalis (as sulphates) ..... max. 0,2% heavy metals (as Pb) ..... max. 0,001% carbonate (as CO_2) ..... max. 0,005% chloride (Cl) ..... max. 0,005% nitrate (NO_3) ..... max. 0,005%	PF. PF. PF. *2838*	250 g 500 g 1 kg	13,25 19,75 33,25	11,25 16,80 28,25	10,60 15,80 26,60	9,95 15,20 25,60

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)
12056	**Calcium sulphate-2-hydrate** pure *Calcium sulfate-2-hydrate / Calcio sulfato-2-hidrato* $CaSO_4 \cdot 2H_2O$ $M = 172{,}17$ g/mol insoluble in hydrochloric acid ..... 0,02 % loss on ignition (500 °C, 4 h) ..... 21 % iron (Fe) ..... 0,002 % heavy metals (as Pb) ..... 0,002 % chloride (Cl) ..... 0,005 %	PF. S. *2838*	1 kg 50 kg	14,75 price on request	12,55	11,80
12060	**Calcium sulphide** 45 % CaS technical *Calcium sulfure / Calcio sulfuro* R: 31-36/37/38 S: 28 disposal: 9	PF. BLT. *2835*	1 kg 50 kg	34,50 price on request	29,35	27,60
	Calcium sulphide (poly) liquid see Vlemingkx's solution					
	Calcium sulphocyanide see Calcium thiocyanate					
	Calcium tetrahydrogen diphosphate see Calciumbis(dihydrogen phosphate)					
12061	**Calcium thiocyanate** pure *Calcium thiocyanate / Calcio tiocianato* $Ca(SCN)_2 \cdot 4H_2O$ $M = 228{,}31$ g/mol assay ..... 98 % iron (Fe) ..... 0,0005 % heavy metals (as Pb) ..... 0,002 % sulphate (SO_4) ..... 0,05 % R: 20/21/22-32 S: 2-13 disposal: 8	PF. PF. *2844*	250 g 1 kg	16,75 49,—	14,25 41,65	13,40 39,20
56047	**Calcium tungstate** for scintillation *Calcium tungstate / Calcio tungstato*	PF. *3207*	500 g	price on request		
	Calcium tungstate "CW" for luminescent lamps Offer on request. Booklet LUMILUX® on demand					
	Calcium tungstate "CWR" for X-ray Offer on request. Booklet LUMILUX® on demand					
33264	**Calcon®** indicator for metal titration (C.I. No. 15705) *Calcon® / Calcon®* ® = trade mark of Benckiser $C_{20}H_{13}N_2NaO_5S$ $M = 416{,}39$ g/mol	WG. *2928*	50 g	10,75	9,15	8,60
33171	**Calconcarboxylic acid** (Cal-Red) *Acide calconecarboxylique / Acido calconcarboxílico* $HO_3SC_{10}H_5(OH)NNC_{10}H_5(OH)COOH$ $C_{21}H_{14}N_2O_7S$ $M = 438{,}42$ g/mol	WG. WG. *2928*	5 g 25 g	15,75 54,—	13,40 45,90	12,60 43,20
	Callosolve see Ethylene glycol monoethyl ether					
31822	**Calmagite** *Calmagite / Calmaguita* $HOCH_3C_6H_3N{=}NC_{10}H_5(OH)SO_3H$ $C_{17}H_{14}N_2O_5S$ $M = 358{,}37$ g/mol	WG. *2928*	5 g	19,75	16,80	15,80
	Calomel see Mercury(I) chloride					
	Cal Red see Calconcarboxylic acid					
62257 A 3/3 C 3.3 1993 2 40 °C	**Camphene** PROSYNTH® *Camphène / Canfeno* $C_{10}H_{16}$ $M = 136{,}24$ g/mol assay (GC) ..... 80 % melting range ..... 44—47 °C R: 10 disposal: 6	FL. *2901*	1 L	22,50	19,15	18,—

refer explanations

ber / VS / E (GGVSee)	Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
Camphor synthetic powder DAB 8 *Camphre / Alcanfor* $C_{10}H_{16}O$ M = 152,24 g/mol assay (in dried substance) ..... 98% melting range ..... 174–177 °C non-volatile matter 0,05%	BL. 2913 BL. 2913 BL. 2913 KT. 2913	500 g 1 kg 2,5 kg 25 kg	17,– 30,75 65,50 price on request	14,45 26,15 54,35	13,60 24,60 51,10	13,10 23,70 49,15
D(+)-Camphorsulphonic acid PROSYNTH® *Acide D(+)-camphosulfonique / Acido D(+)-canfosulfónico* $C_{10}H_{16}O_4S$ M = 232,30 g/mol assay ..... 99% melting range ..... 191–193 °C (disint.) spezifical rotation ([α_D^{20}], C = 2 in H_2O) ... +20 °C ±2°C	WG. 2913	100 g	31,–	26,35	24,80	23,25
Canada balsam for microscopy (n_D^{20}) 1,522 *Baume du Canada / Bálsamo del Canadá*	WG. 1302 WG. 1302	25 g 100 g	23,– 77,–	19,55 65,45	18,40 61,60	17,25 57,75
Canada balsam for microscopy, extra pure, dried to glass hardness *Baume du Canada / Bálsamo del Canadá* package of 100 g	1302	1 pack	105,–	89,25	84,–	78,75
Canada balsam for microscopy, glass hard in xylene solution (2+1) *Baume du Canada / Bálsamo del Canadá* 1 L ≈ 0,98 kg R: 10-20 S: 24/25 disposal: 6	FL. 1302 FL. 1302	25 ml 100 ml	35,50 120,–	30,20 102,–	28,40 96,–	26,65 90,–
Canada balsam "Riedel" *Baume du Canada "Riedel" / Bálsamo del Canadá "Riedel"*	EKL. 3304	30 kg	price on request			
Capric acid BIOSYNTH® *Acide caprique / Acido cáprico* $CH_3(CH_2)_8COOH$ $C_{10}H_{20}O_2$ M = 172,27 g/mol assay (GC) ..... 99% melting range ..... 30–32 °C	WG. 2914	250 g	75,–	63,75	60,–	56,25
Capric acid nitrile PROSYNTH® *Acide caprique nitrile / Acido cáprico nitrilo* $CH_3(CH_2)_8CN$ $C_{10}H_{19}N$ M = 153,27 g/mol 1 L ≈ 0,82 kg assay (GC) ..... 99% boiling range ..... 241–243 °C refractive index (n_D^{20}) 1,429	FL. 2927	50 ml	24,75	21,05	19,80	18,55
Caprinaldehyde PROSYNTH® *Caprinaldéhyde / Aldehído cáprico* $CH_3(CH_2)_8CHO$ $C_{10}H_{20}O$ M = 156,27 g/mol 1 L ≈ 0,83 kg assay (GC) ..... 96% boiling range ..... 207–209 °C refractive index (n_D^{20}) 1,430	FL. 2911	100 ml	29,–	24,65	23,20	21,75
***n*-Caproic acid** BIOSYNTH® (*n*-Hexanoic acid) *Acide n-caproïque / Acido n-capróico* $CH_3(CH_2)_4COOH$ $C_6H_{12}O_2$ M = 116,16 g/mol 1 L ≈ 0,93 kg	FL. 2914	250 ml	25,75	21,90	20,60	19,30
***n*-Caproic acid** PROSYNTH® *Acide n-caproïque / Acido n-capróico* $CH_3(CH_2)_4COOH$ $C_6H_{12}O_2$ M = 116,16 g/mol 1 L ≈ 0,93 kg assay (GC) ..... 99% boiling range ..... 202–203 °C refractive index (n_D^{20}) 1,416	FL. 2914 FL. 2914	250 ml 1 L	14,25 44,25	12,10 37,60	11,40 35,40	10,70 34,05

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)
62261	**ε-Caprolactam** PROSYNTH® *ε-Caprolactame / ε-Caprolactama* $NH(CH_2)_5CO$ $C_6H_{11}NO$ $M = 113{,}16$ g/mol assay (GC) ..... 98% melting range ..... 68–70 °C	FL. *2935*	1 kg	23,–	19,55	18,40
62262	**ε-Caprolactone** PROSYNTH® *ε-Caprolactone / ε-Caprolactona* $CH_2(CH_2)_4COO$ $C_6H_{10}O_2$ $M = 114{,}14$ g/mol **1 L ≈ 1,07 kg** assay (GC) ..... 99% boiling range (at 20 mbar) ..... 96–98 °C refractive index (n_D^{20}) 1,463	FL. *2935*	250 ml	35,–	29,75	28,–
62263 A 3/3 C 3.3 1993 2 +32 °C	**Capronaldehyde** PROSYNTH® *Capronaldéhyde / Aldehído capróico* $CH_3(CH_2)_4CHO$ $C_6H_{12}O$ $M = 100{,}16$ g/mol **1 L ≈ 0,82 kg** assay (GC) ..... 99% boiling range ..... 128–130 °C refractive index (n_D^{20}) ..... 1,404 R: 10 disposal: 14	FL. *2911*	250 ml	24,75	21,05	19,80
62264 A 6.1/21 C 3.3 1992 2 +40 °C	**Capronitrile** PROSYNTH® *Capronitrile / Capronitrilo* $CH_3(CH_2)_4CN$ $C_6H_{11}N$ $M = 97{,}16$ g/mol **1 L ≈ 0,80 kg** assay (GC) ..... 98% boiling range ..... 162–164 °C refractive index (n_D^{20}) 1,406	FL. *2935*	100 ml	59,–	50,15	47,20
	Capryl alcohol, sec. see 2-Octanol					
	Capryl alcohol see 1-Octanol					
62266 A 3/3 C 3.3 1191 3 +52 °C	**Caprylaldehyde** PROSYNTH® *Caprylaldéhyde / Aldehído caprílico* $CH_3(CH_2)_6CHO$ $C_8H_{16}O$ $M = 128{,}21$ g/mol **1 L ≈ 0,82 kg** assay (GC) ..... 99% boiling range ..... 169–171 °C refractive index (n_D^{20}) ..... 1,419 R: 10 disposal: 14	FL. *2911*	100 ml	20,75	17,65	16,60
	Caprylamine see Octylamine					
39426	***n*-Caprylic acid** BIOSYNTH® *Acide n-caprylique / Acido n-caprílico* $CH_3(CH_2)_6COOH$ $C_8H_{16}O_2$ $M = 144{,}21$ g/mol **1 L ≈ 0,91 kg**	FL. *2914*	250 ml	25,75	21,90	20,60
27633	***n*-Caprylic acid** chem. pure *Acide n-caprylique / Acido n-caprílico* $CH_3(CH_2)_6COOH$ $C_8H_{16}O_2$ $M = 144{,}21$ g/mol **1 L ≈ 0,91 kg** assay ..... 99,5% congealing point ..... 15,5 °C density (D_4^{20}) ..... 0,909–0,911 refractive index (n_D^{20}) ..... 1,4270–1,4290 sulphated ash ..... 0,05% iodine number 0,5	FL. FL. BA. *2914*	100 ml 500 ml 20 kg	8,25 19,75 price on request	7,– 16,80	6,60 15,80

refer explanations

ber S E (GGVSee)	Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
Caprylonitrile PROSYNTH® *Nitrile caprylique / Acido caprílico nitrilo* $CH_3(CH_2)_6CN$ $C_8H_{15}N$ $M = 125{,}21$ g/mol 1 L ≈ 0,82 kg assay (GC) ..... 97% boiling range ..... 198—200 °C refractive index (n_D^{20}) 1,420	FL. *2927*	100 ml	34,50	29,35	27,60	25,90
Captafol min. 99% PESTANAL® (N-[1,1,2,2-Tetrachloroethylthio]-3a,4,7,7a-tetrahydrophthalimide) $C_{10}H_9Cl_4NO_2S$ $M = 349{,}06$ g/mol	FL. *2931*	1 g	28,25	24,—	22,60	21,20
Captan min. 99% PESTANAL® (N-Trichloromethylthio-4-cyclohexene-1,2-dicarboximide) $C_9H_8Cl_3NO_2S$ $M = 300{,}59$ g/mol	FL. *2931*	1 g	28,25	24,—	22,60	21,20
Carbamide see Urea						
Carbamoylcholine chloride PROSYNTH® *Carbamoylcholine chlorhydrate / Carbamoilcolina cloruro* $NH_2COOCH_2CH_2N(CH_3)_3Cl$ $C_6H_{15}ClN_2O_2$ $M = 182{,}65$ g/mol assay (ex N) ..... 99% melting range ..... 210—212 °C (disint.)	WG. *2925*	25 g	27,25	23,15	21,80	20,45
Carbaryl min. 99% PESTANAL® (1-Naphthyl-N-methylcarbamate) $C_{10}H_7OC(O)NHCH_3$ $C_{12}H_{11}NO_2$ $M = 201{,}22$ g/mol R: 20/22-37 S: 2-13 disposal: 7	FL. *2921*	1 g	21,50	18,30	17,20	16,15
Carbazole PROSYNTH® *Carbazole / Carbazol* $C_6H_4C_6H_4NH$ $C_{12}H_9N$ $M = 167{,}21$ g/mol assay (GC) ..... 98% melting range ..... 243—245 °C	PF. *2935*	250 g	14,—	11,90	11,20	10,50
1-(Carbazoylmethyl)trimethylammonium chloride see Girard's reagent T						
Carbendazime (BCM) min. 99% PESTANAL® (2-[Methoxycarbonylamino]-benzimidazole) $C_9H_9N_3O_2$ $M = 191{,}19$ g/mol	FL. *2935*	1 g	28,25	24,—	22,60	21,20
Carbendazime (BCM) PROSYNTH® [2-(Methoxycarbonylamino)-benzimidazole] *Carbendazime (BCM) / Carbendacima (BCM)* $C_9H_9N_3O_2$ $M = 191{,}19$ g/mol	WG. *2935*	100 g	69,—	58,65	55,20	51,75
Carbitol see Diethylene glycol monoethyl ether						
Carbohydrazide PROSYNTH® *Carbohydrazide / Carbohidrazida* $CO(NHNH_2)_2$ CH_6N_4O $M = 90{,}08$ g/mol assay (ex N) ..... 98% melting range ..... 150—153 °C R: 23/24/25 S: 44 disposal: 6	WG. *2929*	10 g	23,25	19,75	18,60	17,45
Carbolfuchsin solution according to Ziehl-Neelsen for microscopy *Fuchsine phéniquée en solution / Fucsina fenicada en solución* 1 L ≈ 0,99 kg	FL. FL. FL. *3205*	250 ml 1 L 2,5 L	9,50 19,50 40,25	8,10 16,60 33,40	7,60 15,60 31,40	7,15 15,— 30,20

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32902 C 3.3 1992 2 +48 °C	**Carbol gentian-violet solution** according to Gram for microscopy *Violet de gentiane phénique en solution / Violeta de genciana fenicado en solución* **1 L ≈ 0,99 kg** R: 20/21/22 S: 28 disposal: 6	PF. PF. *3819*	250 ml 1 L	10,50 17,50	8,95 14,90	8,40 14,—
	Carbolic acid see Phenol					
	Carbolic acid, crude see Cresol crude					
32903 C 3.3 1992 2	**Carbolmethylene blue solution** according to Kühne for microscopy *Bleu de carbolméthylène en solution / Azul de carbolmetileno en solución* **1 L ≈ 0,99 kg** R: 20/21/22 S: 28 disposal: 6	PF. *3819*	250 ml	13,25	11,25	10,60
32905 A 3/3 C 3.3 1992 2 +30 °C	**Carbolxylene** DAB 6 for microscopy *Carbolxylène / Carbolxileno* **1 L ≈ 0,91 kg** R: 10-23/24/25 S: 44 disposal: 6	FL. *3819*	250 ml	22,—	18,70	17,60
31627 A 3/1A C 3.1 1131 1 -30 °C	**Carbon disulphide** R. G., Reag. ACS, Reag. Ph. Eur. I *Carbone sulfure / Carbono sulfuro* CS_2 $M = 76,14$ g/mol **1 L ≈ 1,26 kg** assay ..... min. 99,9% boiling range ..... 46—47 °C density (D_4^{20}) ..... 1,262—1,263 refractive index (n_D^{20}) ..... 1,6270—1,6290 non-volatile matter ..... max. 0,001% water (according to Karl Fischer) ..... max. 0,01% hydrogen sulphide and foreign organic sulphur compounds (as S) .... max. 0,0001% sulphate (SO_4) ..... max. 0,00025% sulphite (as SO_2) ..... max. 0,001% R: 12-26 S: 27-29-33-43-45 disposal: 20	FL. FL. KA. *2815*	500 ml 1 L 25 kg	11,— 20,25 kg	9,35 17,20 8,15	8,80 16,20
13807 A 3/1A C 3.1 1131 1 -30 °C	**Carbon disulphide** chem. pure *Carbone sulfure / Carbono sulfuro* CS_2 $M = 76,14$ g/mol **1 L ≈ 1,26 kg** assay ..... 99,5% boiling range ..... 46—47 °C density (D_4^{20}) ..... 1,262—1,264 refractive index (n_D^{20}) ..... 1,6270—1,6290 non-volatile matter ..... 0,001% hydrogen sulphide and foreign organic sulphur compounds (as S) ..... 0,0001% sulphate (SO_4) ..... 0,0002% sulphite (as SO_2) ..... 0,001% R: 12-26 S: 27-29-33-43-45 disposal: 20	FL. FL. KA. KA. *2815*	500 ml 1 L 25 kg 5x	10,75 19,— kg kg	9,15 16,15 8,20 7,95	8,60 15,20
13809 A 3/1A C 3.1 1131 1 -30 °C	**Carbon disulphide** rectified *Carbone sulfure / Carbono sulfuro* CS_2 $M = 76,14$ g/mol **1 L ≈ 1,26 kg** R: 12-26 S: 27-29-33-43-45 disposal: 20	FL. KA. KA. KA. *2815*	1 L 25 kg 5x 10x	16,75 kg kg kg	14,25 5,15 4,85 4,60	13,40

refer explanations

er (GGVSee)	Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
Carbon monoxide absorbent absorbente for absorption of carbon monoxide out of gas compounds *Carbone monoxyde absorbente / Carbono monóxido absorbente*	FL. 3819	1 L	69,—	58,65	55,20	53,15
Carbon tetrabromide PROSYNTH® *Carbone tétrabromure / Carbono tetrabromuro* CBr_4 $M = 331{,}63$ g/mol assay (ex Br) ..... 98% melting range ..... 91—93 °C R: 20/21/22 S: 28 disposal: 13	WG. 2902	100 g	46,—	39,10	36,80	34,50
Carbon tetrachloride R. G. (max. 0,0005% S), Reag. Ph. Eur. I *Carbone tétrachlorure / Carbono tetracloruro* CCl_4 $M = 153{,}82$ g/mol 1 L ≈ 1,59 kg assay (GC) ..... min. 99,8% boiling range ..... 76—77 °C density (D_4^{20}) ..... 1,592—1,595 refractive index (n_D^{20}) ..... 1,4600—1,4610 non-volatile matter ..... max. 0,0005% water (according to Karl Fischer) ..... max. 0,02% free acid (as HCl) ..... max. 0,0002% aluminium (Al) ..... max. 0,00005% barium (Ba) ..... max. 0,00001% lead (Pb) ..... max. 0,00001% boron (B) ..... max. 0,000002% cadmium (Cd) ..... max. 0,000005% calcium (Ca) ..... 0,00005% chromium (Cr) ..... max. 0,000002% iron (Fe) ..... max. 0,00001% cobalt (Co) ..... max. 0,000002% copper (Cu) ..... max. 0,000002% magnesium (Mg) ..... max. 0,00001% manganese (Mn) ..... max. 0,000002% nickel (Ni) ..... max. 0,000002% zinc (Zn) ..... max. 0,00001% tin (Sn) ..... max. 0,00001% free chlorine (Cl) ..... max. 0,00003% chloride (Cl) ..... max. 0,0001% substances iodine (as HCHO) ..... max. 0,0002% chloroform ..... max. 0,05% dichloromethan ..... max. 0,05% aldehydes (as HCHO) ..... max. 0,0001% carbon disulphide ..... max. 0,0005% organic impurities (as $CH_2=CHCHO$) .... max. 0,0005% sulphur compounds (as S) ..... max. 0,0005% tetrachloroethylen ..... max. 0,05% trichloroethylen ..... max. 0,05% R: 26/27 S: 2-38-45 disposal: 13	FL. 2902 FL. EKL. EKL.	1 L 2,5 L 45 kg 5x	21,— 44,— kg kg	17,85 36,50 5,30 5,—	16,40 34,30	15,55 33,—

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)
32235 A 6.1/61A C 6.1 1846 2	**Carbon tetrachloride** R. G., for determinations with dithizone, Reag. Ph. Eur. I *Carbone tétrachlorure / Carbono tetracloruro* CCl_4 $M = 153{,}82$ g/mol **1 L ≈ 1,59 kg** assay (GC) ..... min. 99,8% boiling range ..... 76–77 °C density (D_4^{20}) ..... 1,592–1,595 refractive index (n_D^{20}) ..... 1,4600–1,4610 non-volatile matter ..... max. 0,0005% water (according to Karl Fischer) ..... max. 0,02% free acid (as HCl) ..... max. 0,0002% aluminium (Al) ..... max. 0,00005% barium (Ba) ..... max. 0,00001% lead (Pb) ..... max. 0,00001% boron (B) ..... max. 0,000002% cadmium (Cd) ..... max. 0,000005% calcium (Ca) ..... max. 0,00005% chromium (Cr) ..... max. 0,000002% iron (Fe) ..... max. 0,00001% cobalt (Co) ..... max. 0,000002% copper (Cu) ..... max. 0,000002% magnesium (Mg) ..... max. 0,00001% manganese (Mn) ..... max. 0,000002% nickel (Ni) ..... max. 0,000002% zinc (Zn) ..... max. 0,00001% tin (Sn) ..... max. 0,00001% free chlorine (Cl) ..... max. 0,00003% chloride (Cl) ..... max. 0,0001% substances reducing iodine (as HCHO) . max. 0,0002% sulphur compounds (as S) ..... max. 0,001% reaction to sulphuric acid ..... passes test chloroform ..... max. 0,05% dichloromethan ..... max. 0,05% tetrachloroethylen ..... max. 0,05% trichloroethylen ..... max. 0,05% suitability for determinations with dithizone ..... passes test R: 26/27 S: 2-38-45 disposal: 13	FL. *2902*	1 L	25,75	21,90	20,6
34864 A 6.1/61A C 6.1 1846 2	**Carbon tetrachloride** CHROMASOLV® for chromatography (UV-detection) *Carbone tétrachlorure / Carbono tetracloruro* CCl_4 $M = 153{,}82$ g/mol **1 L ≈ 1,59 kg** assay (GC) ..... min. 99,7% non-volatile matter ..... max. 0,0005% water (according to Karl Fischer) ..... max. 0,01% free acid (as HCl) ..... max. 0,0002% free chlorine (Cl) ..... max. 0,00005% transmittance (1 cm cell; reference water) transmittance/wavelength (nm): min. 80%/275, min. 98%/from 290 R: 26/27 S: 2-38-45 disposal: 13	FL. *2902*	1 L	25,—	21,25	20,—

refer explanations

ber S E (GGVSee)	Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
Carbon tetrachloride R. G. dried (max. 0,01% H_2O) *Carbone tétrachlorure / Carbono tetracloruro* CCl_4 $M = 153{,}82$ g/mol **1 L ≈ 1,59 kg** assay (GC) ..... min. 99,8% boiling range ..... 76–77 °C density (D_4^{20}) ..... 1,592–1,595 refractive index (n_D^{20}) ..... 1,4600–1,4610 non-volatile matter ..... max. 0,0005% water (according to Karl Fischer) ..... max. 0,01% free acid (as HCl) ..... max. 0,0002% aluminium (Al) ..... max. 0,00005% barium (Ba) ..... max. 0,00001% lead (Pb) ..... max. 0,00001% boron (B) ..... max. 0,000002% cadmium (Cd) ..... max. 0,000005% calcium (Ca) ..... max. 0,00005% chromium (Cr) ..... max. 0,000002% iron (Fe) ..... max. 0,00001% cobalt (Co) ..... max. 0,000002% copper (Cu) ..... max. 0,000002% magnesium (Mg) ..... max. 0,00001% manganese (Mn) ..... max. 0,000002% nickel (Ni) ..... max. 0,000002% zinc (Zn) ..... max. 0,00001% tin (Sn) ..... max. 0,00001% free chlorine (Cl) ..... max. 0,00003% chloride (Cl) ..... max. 0,0001% sulphur compounds (as S) ..... max. 0,001% iodine reducing matters (as HCHO) ..... max. 0,0002% reaction to sulphuric acid ..... passes test chloroform ..... max. 0,05% dichloromethan ..... max. 0,05% tetrachloroethylen ..... max. 0,05% trichloroethylen ..... max. 0,05% R: 26/27 S: 2-38-45 disposal: 13	FL. *2902*	1 L	27,—	22,95	21,60	20,80
Carbon tetrachloride min. 99,9% for gas chromatography *Carbone tétrachlorure / Carbono tetracloruro* CCl_4 $M = 153{,}82$ g/mol **1 L ≈ 1,59 kg** R: 26/27 S: 2-38-45 disposal: 13	FL. *2902*	5 ml	49,25	41,85	39,40	36,95
Carbon tetrachloride SPECTRANAL® *Carbone tétrachlorure / Carbono tetracloruro* CCl_4 $M = 153{,}82$ g/mol **1 L ≈ 1,59 kg** assay (GC) ..... min. 99,7% non-volatile matter ..... max. 0,0005% water (acc. to Karl Fischer) ..... max. 0,01% free acid (as HCl) ..... max. 0,0002% free chlorine (Cl) ..... max. 0,00005% chloroform ..... max. 0,001% dichloromethan ..... max. 0,001% trichloroethylen ..... max. 0,001% suitability for UV spectroscopy transmittance (1 cm cell/reference: water) transmittance/wavelength (nm): suitability for IR spectroscopy ..... passes test R: 26/27 S: 2-38-45 disposal: 13	FL. FL. *2902*	1 L 2,5 L	35,50 75,—	30,20 62,25	28,40 58,50	27,35 56,25

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)
17852 A 6.1/61A C 6.1 1846 2	**Carbon tetrachloride** PURANAL® *Carbone tétrachlorure / Carbono tetracloruro* CCl_4 $M = 153{,}82$ g/mol **1 L ≈ 1,59 kg** assay (GC) ..... min. 99,9% boiling range ..... 76—77 °C density (D_4^{20}) ..... 1,592—1,595 refractive index (n_D^{20}) ..... 1,4600—1,4610 non-volatile matter ..... max. 5 ppm water (according to Karl Fischer) ..... max. 50 ppm free acid (as HCl) ..... max. 5 ppm free alkali (as NH_3) ..... max. 1 ppm aluminium (Al) ..... max. 0,05 ppm antimony (Sb) ..... max. 0,01 ppm arsenic (As) ..... max. 0,01 ppm barium (Ba) ..... max. 0,1 ppm beryllium (Be) ..... max. 0,01 ppm lead (Pb) ..... max. 0,02 ppm boron (B) ..... max. 0,02 ppm cadmium (Cd) ..... max. 0,01 ppm calcium (Ca) ..... max. 0,2 ppm chromium (Cr) ..... max. 0,01 ppm iron (Fe) ..... max. 0,1 ppm gallium (Ga) ..... max. 0,02 ppm gold (Au) ..... max. 0,02 ppm indium (In) ..... max. 0,02 ppm potassium (K) ..... max. 0,1 ppm cobalt (Co) ..... max. 0,01 ppm copper (Cu) ..... max. 0,01 ppm lithium (Li) ..... max. 0,02 ppm magnesium (Mg) ..... max. 0,1 ppm manganese (Mn) ..... max. 0,01 ppm molybdenum (Mo) ..... max. 0,01 ppm sodium (Na) ..... max. 0,2 ppm nickel (Ni) ..... max. 0,01 ppm platinum (Pt) ..... max. 0,02 ppm silver (Ag) ..... max. 0,02 ppm strontium (Sr) ..... max. 0,02 ppm thallium (Tl) ..... max. 0,02 ppm titanium (Ti) ..... max. 0,01 ppm vanadium (V) ..... max. 0,01 ppm bismuth (Bi) ..... max. 0,02 ppm zinc (Zn) ..... max. 0,05 ppm tin (Sn) ..... max. 0,02 ppm zirconium (Zr) ..... max. 0,01 ppm free chlorine (Cl) ..... max. 0,3 ppm chloride (Cl) ..... max. 0,5 ppm R: 26/27 S: 2-38-45 disposal: 13	FL. BA. *2902*	2,5 L 35 kg	price on request price on request		
24248 A 6.1/61A C 6.1 1846 2	**Carbon tetrachloride** (max. 0,0005% CS_2) chem. pure Erg. B. 6 *Carbone tétrachlorure / Carbono tetracloruro* CCl_4 $M = 153{,}82$ g/mol **1 L ≈ 1,59 kg** assay (GC) ..... 99% boiling range ..... 76—77 °C density (D_4^{20}) ..... 1,592—1,595 refractive index (n_D^{20}) ..... 1,4600—1,4610 non-volatile matter ..... 0,001% water (according to Karl Fischer) ..... 0,02% carbon disulphide ..... 0,0003% R: 26/27 S: 2-38-45 disposal: 13	FL. FL. EKL. EKL. EKL. F. *2902*	1 L 2,5 L 45 kg 5x 10x 250 kg	19,25 40,— kg kg kg price on request	16,35 33,20 4,15 3,80 3,60	15,40 31,20
24247 A 6.1/61A C 6.1 1846 2	**Carbon tetrachloride** pure *Carbone tétrachlorure / Carbono tetracloruro* CCl_4 $M = 153{,}82$ g/mol **1 L ≈ 1,59 kg** assay (GC) ..... 99% boiling range ..... 76—77 °C density (D_4^{20}) ..... 1,590—1,595 refractive index (n_D^{20}) ..... 1,4595—1,4615 non-volatile matter ..... 0,005% R: 26/27 S: 2-38-45 disposal: 13	FL. FL. EKL. EKL. EKL. F. *2902*	1 L 2,5 L 45 kg 5x 10x 250 kg	16,25 31,75 kg kg kg price on request	13,80 26,35 3,35 3,10 2,90	13,— 24,75

refer explanations

er (GGVSee)	Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
1,1'-Carbonyldiimidazole PROSYNTH® *1-1'-Carbonyldiimidazole / 1,1'-Carbonildiimidazol* $CH=CHN=CHNCONCH=NCH=CH$ $C_7H_6N_4O$ $M = 162,15$ g/mol assay ..... 98% melting range ..... 113—116 °C	WG. 2935	25 g	60,—	51,—	48,—	45,—
Carbopak C 0,150—0,180 mm (80—100 mesh ASTM) for gas chromatography *Carbopak C / Carbopak C*	WG. 3819	10 g	294,—	249,90	235,20	220,50
Carbopak C 0,180—0,250 mm (60—80 mesh ASTM) for gas chromatography *Carbopak C / Carbopak C*	WG. 3819	10 g	294,—	249,90	235,20	220,50
Carbowax 400 for gas chromatography 1 L ≈ 1,15 kg working temperature ..... 20 to 100 °C	FL. 3901	50 ml	13,25	11,25	10,60	9,95
Carbowax 1000 for gas chromatography working temperature ..... 40 to 150 °C	WG. 3404	50 g	26,75	22,75	21,40	20,05
Carbowax 1500 for gas chromatography working temperature ..... 40 to 160 °C	WG. 3404	50 g	19,—	16,15	15,20	14,25
Carbowax 4000 for gas chromatography working temperature ..... 60 to 200 °C	WG. 3404	50 g	19,—	16,15	15,20	14,25
Carbowax 20000 for gas chromatography working temperature ..... 60 to 225 °C	WG. 3404	50 g	19,—	16,15	15,20	14,25
Carbowax see also Polyethylene glycol						
Carboxine min. 99% PESTANAL® (5,6-Dihydro-2-methyl-1,4-oxathiin-3-carboxanilide) $OCH_2CH_2SC(CONHC_6H_5)=CCH_3$ $C_{12}H_{13}NO_2S$ $M = 235,31$ g/mol	FL. 2935	1 g	32,—	27,20	25,60	24,—
2-Carboxy-5-fluoroindole PROSYNTH® *2-Carboxy-5-fluoroindole / 2-Carboxi-5-fluoroindol* $C_6H_3NHC(COOH)=CH$ $C_9H_6FNO_2$ $M = 179,15$ g/mol assay (alkalimetric) ..... 98% melting range ..... 248—250 °C (disint.)	WG. 2935	10 g	325,—	276,25	260,—	243,75
N-(2-Carboxyphenyl)-N'-(2'-hydroxy-5'-sulphophenyl)-C-phenylformazan monosodium salt see Zincon						
2-Carboxypyrrole see Pyrrole-2-carboxylic acid						
Carmine R. G. and for histology (C.I. No. 75470, S. No. 1381) (Nacarat) *Carmin / Carmín*	WG. 3204	10 g 25 g	39,25 87,50	33,35 74,40	31,40 70,—	29,45 65,65
Carmine solution ammoniacal according to Best, for microscopy *Carmin en solution / Carmín en solución* 1 L ≈ 1,05 kg	PF. 3819	250 ml	13,25	11,25	10,60	9,95
Carmine solution acid, alcoholic according to Mayer, for microscopy *Carmin en solution / Carmín en solución* 1 L ≈ 0,89 kg	FL. 3819	250 ml	13,25	11,25	10,60	9,95
R: 11 S: 7-16 disposal: 6						
Carminic acid R. G. and for microscopy (C. I. No. 75470, S. No. 1381) *Acide carminique / Acido carmínico* $C_{22}H_{20}O_{13}$ $M = 492,39$ g/mol	FL. 3204 WG. 3204	1 g 10 g	27,— 192,—	22,95 163,20	21,60 153,60	20,25 144,—

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CHROMASOLV® solvents for chromatography

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)
39082	**L(+)-Carnosine** BIOSYNTH® *L(+)-Carnosine / L(+)-Carnosina* $NH_2CH_2CH_2CONHCH(COOH)CH_2C{=}CHN{=}CHNH$ $C_9H_{14}N_4O_3$ $M = 226{,}23$ g/mol assay (ex N) ..... 99% specific rotation ($[\alpha]_D^{20}$; c=2 in H_2O) ..... +20° ±2° keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	FL. *2935*	1 g	29,50	25,10	23,60
39102	**Casein** BIOSYNTH® (vitamin free) *Caséine / Caseína* thiamine hydrochloride ..... 0,0001% nicotinic acid ..... 0,0001% riboflavine ..... 0,000025% pantothenic acid 0,0007%	PF. *3501*	250 g	105,50	89,70	84,40
18722	**Castor oil** DAB 8 *Huile de ricin / Aceite de ricino* **1 L ≈ 0,96 kg** density (D_4^{20}) ..... 0,952–0,965 density (D_4^{20}) ..... 0,956–0,965 refractive index (n_D^{20}) ..... 1,4750–1,4790 optical rotation (α_D^{20}) ..... +3,0°to +9,0° hydroxyl number ..... 163 iodine number ..... 83 acid number ..... 1 saponification number ..... 180 not saponificable 0,9%	FL. BAS. *1507*	1 L 25 kg	20,— price on request	17,—	16,—
	Catalysts for hydrogenation see Copper Nickel-aluminium alloy Nickel Palladium Platinum Raney cobalt Raney copper Raney iron Raney nickel					
	Catechol see Pyrocatechol					
39809	**Cation exchanger HPLC** strongly acid 0,010 mm (10 µm) for high-pressure-liquid chromatography, polystyrene matrix with 8% DVB, H^+-form, globular *Echangeur de cations HPLC / Cambiadores de cationes HPLC* granulation ..... 10±2,5 µm capacity (dried) ..... abt. 5,0 mval/g water content 55%	WG. *3902*	10 g	169,—	143,65	135,20
39810	**Cation exchanger HPLC** strongly acid 0,015 mm (15 µm) for high-pressure-liquid chromatography, polystyrene matrix with 8% DVB, H^+-form, globular *Echangeur de cations HPLC / Cambiadores de cationes HPLC* granulation ..... 15±2,5 µm capacity (dried) ..... abt. 5,0 mval/g water content 55%	WG. *3902*	10 g	112,50	95,65	90,—
39811	**Cation exchanger HPLC** strongly acid 0,020 mm (20 µm) for high-pressure-liquid chromatography, polystyrene matrix with 8% DVB, H^+-form, globular *Echangeur de cations HPLC / Cambiadores de cationes HPLC* granulation ..... 20±2,5 µm capacity (dried) ..... abt. 5,0 mval/g water content 55%	WG. *3902*	10 g	112,50	95,65	90,—

refer explanations

er (GGVSee)	Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
Cation exchanger HPLC strongly acid 0,005—0,020 mm (5—20 µm) for high-pressure-liquid chromatography, polystyrene matrix with 8% DVB, Na^+-form, globular *Echangeur de cations HPLC / Cambiadores de cationes HPLC* granulation ..... 5—20 µm capacity (dried) ..... abt. 5,0 mval/g water content 55%	WG. 3902	10 g	93,—	79,05	74,40	69,75
Cation exchangers see also Ion exchanger						
Caustic baryta see Barium hydroxide						
Caustic potash see Potassium hydroxide						
Caustic soda see Sodium hydroxide						
Cedar wood oil thickened for microscopy *Essence de cèdre / Aceite esencial de cedro* 1 L ≈ 0,98 kg	FL. 3301	100 g	10,50	8,95	8,40	7,90
	FL. 3301	250 g	20,50	17,45	16,40	15,40
	FL. 3301	1 kg	68,50	58,25	54,80	52,75
Celanese ester No. 9 for gas chromatography working temperature ..... to 200 °C	FL. 3301	50 g	155,—	131,75	124,—	116,25
Celite see Kieselguhr						
D-Cellobiose BIOSYNTH® *D-Cellobiose / D-Celobiosa* $C_{12}H_{22}O_{11}$ $M = 342,30$ g/mol	WG. 2943	5 g	31,25	26,55	25,—	23,45
Cellulose D microcrystalline Avicel® for thin-layer chromatography *Cellulose D / Celulosa D* ®=trade mark of American Viscose Co.	WG. 3819	500 g	35,50	30,20	28,40	27,35
Cellulose powder D natural for thin-layer chromatography *Cellulose en poudre D naturel / Celulosa en polvo D natural* soluble in methylene chloride ..... 0,12% residue on ignition ..... 0,01% iron (Fe) ..... 0,0015% copper (Cu) ..... 0,0006% phosphate (PO_4) ..... 0,0007% polymerisation grade ..... 400—500 fibre length (min. 95%) ..... 2—20 µm specific surface ..... 15000 cm^2/g	PF. 3819	500 g	31,25	26,55	25,—	24,05
Cellulose powder D highly pure for thin-layer chromatography *Cellulose en poudre D / Celulosa en polvo D* soluble in methylene chloride ..... 0,05% residue on ignition ..... 0,015% iron (Fe) ..... 0,0002% copper (Cu) ..... 0,0001% polymerisation grade ..... 400—500 fibre length ..... 2—20 µm specific surface ..... 15000 cm^2/g	WG. 3819	250 g	47,—	39,95	37,60	35,25
Cellulose powder DF natural for thin-layer chromatography, with luminous pigment addition for short-wave UV (254 nm) *Cellulose en poudre DF naturel / Celulosa en polvo DF natural* soluble in methylene chloride ..... 0,12% residue on ignition ..... 0,01% iron (Fe) ..... 0,0015% copper (Cu) ..... 0,0006% phosphate (PO_4) ..... 0,0007% polymerisation grade ..... 400—500 fibre length (min. 95%) ..... 2—20 µm specific surface ..... 15000 cm^2/g	PF. 3819	500 g	58,—	49,30	46,40	44,65

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)
33838	**Cellulose powder DAC 20** acetylated for thin-layer chromatography *Cellulose en poudre DAC 20 / Celulosa en polvo DAC 20* acetyl content 20%	WG. *3819*	250 g	65,50	55,70	52,40
33839	**Cellulose powder DAC 40** acetylated for thin-layer chromatography *Cellulose en poudre DAC 40 / Celulosa en polvo DAC 40* acetyl content 40%	WG. *3819*	250 g	65,50	55,70	52,40
33840	**Cellulose DEAE** ion exchanger for thin-layer chromatography *Cellulose DEAE / Celulosa DEAE* exchange capacity ..... 0,35 mval/g	WG. *3819*	100 g	82,50	70,15	66,—
33841	**Cellulose ECTEOLA** ion exchanger for thin-layer chromatography *Cellulose ECTEOLA / Celulosa ECTEOLA* exchange capacity ..... 0,20 mval/g	WG. *3819*	100 g	78,—	66,30	62,40
33830	**Cellulose powder S natural** for column chromatography *Cellulose en poudre S naturel / Celulosa en polvo S natural* soluble in methylene chloride ..... 0,25% residue on ignition ..... 0,2% iron (Fe) ..... 0,0015% copper (Cu) ..... 0,0006% phosphate (PO_4) ..... 0,0007% polymerisation grade ..... 620—680 fibre length (min. 85%) ..... 20—100 µm specific surface ..... 6500 cm^2/g	PF. *3819*	1 kg	24,—	20,40	19,20
33831	**Cellulose powder S** purified for column chromatography *Cellulose en poudre S / Celulosa en polvo S* soluble in methylene chloride ..... 0,15% residue on ignition ..... 0,015% iron (Fe) ..... 0,0005% copper (Cu) ..... 0,0004% phosphate (PO_4) ..... 0,0002% polymerisation grade ..... 620—680 fibre length (min. 85%) ..... 20—75µm specific surface ..... 5500 cm^2/g	WG. *3819*	500 g	26,25	22,30	21,—
33832	**Cellulose powder SAC 20** acetylated for column chromatography *Cellulose en poudre SAC 20 / Celulosa en polvo SAC 20* acetyl content 20%	WG. *3819*	250 g	47,—	39,95	37,60
33833	**Cellulose powder SAC 40** acetylated for column chromatography *Cellulose en poudre SAC 40 / Celulosa en polvo SAC 40* acetyl content 40%	WG. *3819*	250 g	47,—	39,95	37,60
33834	**Cellulose DEAE** ion exchanger for column chromatography *Cellulose DEAE / Celulosa DEAE* exchange capacity ..... 0,7 mval/g	WG. *3819*	250 g	126,50	107,55	101,20
33835	**Cellulose ECTEOLA** ion exchanger for column chromatography *Cellulose ECTEOLA / Celulosa ECTEOLA* exchange capacity ..... 0,35 mval/g	PF. *3819*	250 g	134,50	114,35	107,60
37348	**TLC-Sheets CE 10 × 20 cm Cellulose** on aluminium sheets layer thickness 0,1 mm *Feuilles CCM CE 10 × 20 cm / CCF-Tarjetas CE 10 × 20 cm* package with 20 sheets	*7604*	1 pack	36,—	30,60	28,80
37363	**TLC-Sheets CE 20 × 20 cm Cellulose** on aluminium sheets layer thickness 0,1 mm *Feuilles CCM CE 20 × 20 cm / CCF-Tarjetas CE 20 × 20 cm* package with 25 sheets	*7604*	1 pack	69,50	59,10	55,60

refer explanations

er (GGVSee)	Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
TLC-Sheets CEF 10 × 20 cm Cellulose on aluminium sheets indicator 254 nm on aluminium sheets layer thickness 0,1 mm *Feuilles CCM CEF 10 × 20 cm / CCF-Tarjetas CEF 10 × 20 cm* package with 20 sheets	*7604*	1 pack	36,—	30,60	28,80	27,—
TLC-Sheets CEF 20 × 20 cm Cellulose with fluorescent indicator 254 nm on aluminium sheets layer thickness 0,1 mm *Feuilles CCM CEF 20 × 20 cm / CCF-Tarjetas CEF 20 × 20 cm* package with 25 sheets	*7604*	1 pack	69,50	59,10	55,60	52,15
TLC-Plates, pre-coated CE 20 × 20 cm Cellulose on glass plates layer thickness 0,1 mm *Plaques CCM finies CE 20 × 20 cm / CCF-Placas preparadas CE 20 × 20 cm* package with 25 plates	*7604*	1 pack	86,—	73,10	68,80	64,50
TLC-Plates, pre-coated CEF 20 × 20 cm Cellulose with fluorescent indicator 254 nm on glass plates layer thickness 0,1 mm *Plaques CCM finies CEF 20 × 20 cm / CCF-Placas preparadas CEF 20 × 20 cm* package with 25 plates	*7604*	1 pack	86,—	73,10	68,80	64,50
Cellulose acetate see Cellulose powder DAC 20 and 40						
Cellulose HYPHAN ion exchanger R. G. *Cellolose HYPHAN / Celulosa HYPHAN* $C_6H_3(OH)N=NC_{10}H_6OH$ length of fibre abt. ..... ca. 70—100 µ ion form ..... H^+-form acidity ..... pK_s = 8—9 capacity ..... 0,4—0,5 mmol/g iron (Fe) ..... 0,0008% copper (Cu) ..... 0,0005% zinc (Zn) ..... 0,0004% bromide (Br) 0,0005%	WG. *3819*	25 g	159,—	135,15	127,20	119,25
Cerium lumps *Cérium / Cerio* Ce *M* = 140,12 g/mol assay 99%	PF. *2805*	100 g	121,—	102,85	96,80	90,75
Cerium ammonium nitrate see Ammonium cerium(IV) nitrate						
Cerium ammonium sulphate see Ammonium cerium(IV) sulphate						
Cerium(III) chloride-7-hydrate R. G. *Cérium(III) chlorure-7-hydrate / Cerio(III) cloruro-7-hidrato* $CeCl_3 \cdot 7H_2O$ *M* = 372,59 g/mol assay ..... min. 98,5% dysprosium (Dy) ..... max. 0,02% iron (Fe) ..... max. 0,001% erbium (Er) ..... max. 0,02% europium (Eu) ..... max. 0,02% holmium (Ho) ..... max. 0,02% lanthanum (La) ..... max. 0,05% neodymium (Nd) ..... max. 0 02% praseodymium (Pr) ..... max. 0,02% samarium (Sm) ..... max. 0,02% heavy metals (as Pb) ..... max. 0,002% thulium (Tm) ..... max. 0,02% yttrium (Y) ..... max. 0,02% sulphate (SO_4) ..... max. 0,01%	PF. *2852*	100 g	38,50	32,75	30,80	28,90

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10551	**Cerium(III) fluoride** *Cérium(III) fluorure / Cerio(III) fluoruro* CeF_3 *M* = 197,12 g/mol assay 99%	PF. *2852*	100 g	43,75	37,20	35,–
10552 C 5.1 1477 2	**Cerium(III) nitrate-6-hydrate** *Cérium(III) nitrate-6-hydrate / Cerio(III) nitrato-6-hidrato* $Ce(NO_3)_3 \cdot 6H_2O$ *M* = 434,23 g/mol assay 99%	PF. *2852*	100 g	35,25	29,95	28,20
14736	**Cerium(IV) oxide** pure anhydrous *Cérium(IV) oxyde / Cerio(IV) óxido* CeO_2 *M* = 172,12 g/mol assay ..... 99% loss on ignition (1000 °C) ..... 0,5% iron (Fe) ..... 0,005% sulphate (SO_4) 0,6%	PF. PF. *2852*	100 g 500 g	25,75 99,50	21,90 84,60	20,60 79,60
14745	**Cerium(III) sulphate** *Cérium(III) sulfate / Cerio(III) sulfato* $Ce(SO_4)_3$ *M* = 568,43 g/mol	WG. *2852*	100 g	33,25	28,25	26,60
31606	**Cerium(IV) sulphate** R. G. *Cérium(IV) sulfate / Cerio(IV) sulfato* $Ce(SO_4)_2 \cdot 4H_2O$ *M* = 404,31 g/mol assay ..... min. 98% in diluted sulphuric acid insoluble ..... max. 0,01% iron (Fe) ..... max. 0,005% chloride (Cl) ..... max. 0,002% phosphate (PO_4) ..... max. 0,01%	WG. PF. PF. *2852*	25 g 100 g 500 g	12,75 39,25 153,–	10,85 33,35 130,05	10,20 31,40 122,40
35066	**Cerium(IV) sulphate solution 0,1 mol/l** 0,1 N volumetric solution *Cérium(IV) sulfate en solution 0,1 mol/l / Cerio(IV) sulfato en solución 0,1 mol/l* 1 L ≈ 1,09 kg	FL. *3819*	1 L	37,75	32,10	30,20
	Cerussa see Lead(II) hydroxide carbonate					
38628	**0,100 g Cesium** FIXANAL® water-soluble standard for atom absorption *0,100 g Césium / 0,100 g Cesio* ampoule	*3819*	1 pack	10,25	8,70	8,20
38557	**1,00 g Cesium** FIXANAL® watersoluble standard for atom absorption *1,00 g Césium / 1,00 g Cesio* ampoule	*3819*	1 pack	10,25	8,70	8,20
10467	**Cesium bromide** *Césium bromure / Cesio bromuro* CsBr *M* = 212,81 g/mol assay 99%	WG. *2830*	25 g	23,25	19,75	18,60
14716	**Cesium carbonate** *Césium carbonate / Cesio carbonato* Cs_2CO_3 *M* = 325,82 g/mol	WG. *2842*	25 g	36,75	31,25	29,40

refer explanations

ber (GGVSee)	Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
Cesium chloride R. G. *Césium chlorure / Cesio cloruro* CsCl M = 168,36 g/mol assay ..... min. 99,5% insoluble in water ..... max. 0,001% barium (Ba) ..... max. 0,002% lead (Pb) ..... max. 0,0001% calcium (Ca) ..... max. 0,002% iron (Fe) ..... max. 0,0005% potassium (K) ..... max. 0,002% copper (Cu) ..... max. 0,0002% magnesium (Mg) ..... max. 0,0005% sodium (Na) ..... max. 0,002% rubidium (Rb) ..... max. 0,005% zinc (Zn) ..... max. 0,0002% sulphate (SO_4) ..... max. 0,005% total nitrogen (N) ..... max. 0,001%	PF.	10 g	17,50	14,90	14,—	13,15
	PF. *2830*	100 g	116,—	98,60	92,80	87,—
Cesium chloride min. 99,5% *Césium chlorure / Cesio cloruro* CsCl M = 168,36 g/mol assay ..... 99,6% lead (Pb) ..... 0,0005% iron (Fe) ..... 0,0005% potassium (K) ..... 0,005% copper (Cu) ..... 0,0005% magnesium (Mg) ..... 0,0005% sodium (Na) ..... 0,002% rubidium (Rb) ..... 0,05% zinc (Zn) ..... 0,0005% sulphate (SO_4) ..... 0,01% total nitrogen (N) 0,003%	WG. *2830*	25 g	26,50	22,55	21,20	19,90
Cesium fluoride *Césium fluorure / Cesio fluoruro* CsF M = 151,90 g/mol assay ..... 99% R: 23/24/25 S: 1/2-26-44 disposal: 27	FL. *2829*	10 g	29,50	25,10	23,60	22,15
Cesium iodide (sodium activated) for scintillation *Césium iodure / Cesio yoduro*	PF. *3207*	500 g	price on request			
Cesium iodide (thallium activated) for scintillation *Césium iodure / Cesio yoduro*	WG.	100 g	price on request			
	WG. *3207*	1 kg	price on request			
Cesium iodide chem. pure for optical use *Césium iodure / Cesio yoduro* CsJ M = 259,81 g/mol assay ..... min. 99,5% lead (Pb) ..... max. 0,0005% iron (Fe) ..... max. 0,0005% potassium (K) ..... max. 0,005% copper (Cu) ..... max. 0,0005% manganese (Mn) ..... max. 0,0005% sodium (Na) ..... max. 0,002% rubidium (Rb) ..... max. 0,005% zinc (Zn) ..... max. 0,0005% sulphate (SO_4) ..... max. 0,01%	WG.	50 g	52,—	44,20	41,60	39,—
	FTP. *2830*	25 kg	price on request			
Cesium nitrate *Césium nitrate / Cesio nitrato* $CsNO_3$ M = 194,91 g/mol assay 99,9%	WG. *2839*	10 g	16,—	13,60	12,80	12,—

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31311	**Cesium sulphate** R. G. *Césium sulfate / Cesio sulfato* Cs_2SO_4 $M = 361{,}87$ g/mol assay ..... min. 99,5% lead (Pb) ..... max. 0,0005% calcium (Ca) ..... max. 0,001% iron (Fe) ..... max. 0,0002% potassium (K) ..... max. 0,002% copper (Cu) ..... max. 0,0002% lithium (Li) ..... max. 0,0001% magnesium (Mg) ..... max. 0,0005% sodium (Na) ..... max. 0,001% rubidium (Rb) ..... max. 0,01% zinc (Zn) ..... max. 0,0002%		WG. *2838*	25 g	28,25	24,—	22,6
	Cetane see *n*-Hexadecane					
24129	**Cetyl alcohol** chem. pure N. F. XIV *Alcool cétylique / Alcohol cetílico* $CH_3(CH_2)_{15}OH$ $C_{16}H_{34}O$ $M = 242{,}44$ g/mol melting range ..... 46—50 °C hydroxyl number ..... 225 iodine number ..... 2 acid number 1		BL. BL. S. S. S. *2904*	500 g 1 kg 25 kg 5x 10x	14,50 26,25 kg kg kg	12,35 22,30 10,30 9,80 9,45	11,6 21,—
	Cetylamine see Hexadecylamine					
31616 A 4.1/1	**Charcoal activated** R. G. powder *Charbon activé / Carbón activo* soluble in water ..... max. 0,2% soluble in acid ..... max. 1,0% soluble in ethanol ..... max. 0,2% loss on drying (102 °C, 4h) ..... max. 8% residue on ignition ..... max. 0,8% iron (Fe) ..... max. 0,005% heavy metals (as Pb) ..... max. 0,005% zinc (Zn) ..... max. 0,001% chloride (Cl) ..... max. 0,01% sulphate (SO_4) ..... max. 0,01% methylene blue titer ..... min. 12		WG. WG. FT. *3803*	250 g 1 kg 30 kg	11,25 34,— kg	9,55 28,90 17,65	9,— 27,2
18001 A 4.1/1	**Charcoal activated** chem. pure dry *Charbon activé / Carbón activo* loss on drying (105 °C, 4h) ..... 8,0% residue on ignition ..... 0,8% iron (Fe) ..... 0,02% heavy metals (as Pb) ..... 0,005% chloride (Cl) ..... 0,01% sulphate (SO_4) ..... 0,01% methylene blue titer 12		K. K. FT. FT. *3803*	500 g 1 kg 30 kg 5x	10,75 19,50 kg kg	9,15 16,60 8,95 8,30	8,6 15,6
18002 A 4.1/1	**Charcoal activated** pure granular *Charbon activé / Carbón activo*		PF. PF. PF. S. S. *3803*	500 g 1 kg 2,5 kg 30 kg 5x	11,75 21,50 45,25 kg kg	10,— 18,30 37,55 9,20 8,50	9,4 17,2 35,3
18003 A 4.1/1	**Charcoal activated** pure powder *Charbon activé / Carbón activo*		K. K. S. S. *3803*	500 g 1 kg 20 kg 5x	9,50 15,— kg kg	8,10 12,75 7,30 6,80	7,6 12,—
18008	**Charcoal animal** powder *Charbon animal / Carbón animal*		K. S. *3803*	1 kg 50 kg	14,25 price on request	12,10	11,4
18006	**Charcoal iodized** (for adsorption of mercury) *Charbon iodé / Carbón yodado* assay of iodine (I) 10%		WG. WG. WG. *3803*	100 g 500 g 1 kg	21,75 89,— 163,—	18,50 75,65 138,55	17,4 71,2 130,4

refer explanations

er (GGVSee)	Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
Charcoal wood blocks for blowpipe analysis *Charbon végétal / Carbón vegetal* package with 10 blocks	*4402*	1 pack	38,25	32,50	30,60	28,70
Charcoal wood powder *Charbon végétal / Carbón vegetal*	K. K. S. S. *4402*	1 kg 2,5 kg 40 kg 5x	13,25 27,25 kg kg	11,25 22,60 4,90 4,60	10,60 21,25	10,20 20,45
Chemicals for hot-moulding purposes see COTAL®						
Chenodeoxycholic acid see 3α,7α-Dihydroxy-5β-cholanic acid						
China blue see Aniline blue water-soluble						
China clay see Kaolin						
Chiniofon-sodium B. P. C. 1963 *Sodium-7-iode-8-hydroxyquinoléine-5-sulfonate / Sodio 7-yodo-8-hidroxiquinolino-5-sulfonato* $JC_6H(OH)SO_3NA)CH=CHCH=N$ $C_9H_5JNNaO_4S$ M = 373,10 g/mol	WG. *4402*	1 kg	price on request			
Chinolinol see Hydroxyquinoline						
Chinomethionate min. 99% PESTANAL® (6-Methylquinoxaline-2,3-dithiol cyclocarbonate) $C_{10}H_6N_2OS_2$ M = 234,30 g/mol	FL. *2935*	1 g	35,75	30,40	28,60	26,80
Chinosol see 8-Hydroxyquinoline sulphate-potassium sulphate						
Chloral PROSYNTH® *Chloral / Cloral* CCl_3CHO C_2HCl_3O M = 147,39 g/mol 1 L ≈ 1,51 kg assay (GC) ..... 98% boiling range ..... 96–98 °C refractive index (n_D^{20}) ..... 1,456 R: 25-36/38 S: 25-44 disposal: 7	FL. *2912*	1 L	34,—	28,90	27,20	26,20
Chloral hydrate cryst. Ph. Eur. I, B. P. 1973, Ph. Franç. IX, Reag. Ph. Eur. I *Chloral hydraté / Cloral hidrato* $CCl_3CH(OH)_2$ $C_2H_3Cl_3O_2$ M = 165,40 g/mol assay ..... 99,8% non-volatile matter ..... 0,05% sulphated ash ..... 0,05% chloride (Cl) ..... 0,005% R: 25-36/38 S: 25-44 disposal: 7	PF. PF. PF. S. *2904*	500 g 1 kg 2,5 kg 50 kg	18,75 31,— 66,— price on request	15,95 26,35 54,80	15,— 24,80 51,50	14,45 23,85 49,50
Chloral hydrate solution *Chloral hydraté en solution / Cloral hidrato en solución* 1 L ≈ 1,27 kg R: 25-36/38 S: 25-44 disposal: 14	PF. *3819*	250 ml	13,25	11,25	10,60	9,95
α-D(+)-*gluco*-**Chloralose** BIOSYNTH® *α-D(+)-gluco-Chloralose / α-D(+)-gluco-Cloralosa* $OCH(CCl_3)OCH=C(CHOH)_3CH_2OH$ $C_8H_{11}Cl_3O_6$ M = 309,53 g/mol assay (ex Cl) ..... 98% melting range ..... 182–184 °C R: 20/22 S: 2-16-24/25-28 disposal: 9	PF. *2943*	50 g	27,75	23,60	22,20	20,80

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)
31224	**Chloramine T** R. G., Reag. Ph. Eur. I *Chloramine T / Cloramina T* $CH_3C_6H_4SO_2NClNa \cdot 3H_2O$ $C_7H_7ClNNaO_2S \cdot 3H_2O$ $M = 281{,}69$ g/mol assay ..... min. 99% insoluble in ethanol absolute ..... max. 1,5% R: 36/37/38 S: 2-7-15 disposal: 7	PF. PF. *2936*	250 g 1 kg	12,— 34,50	10,20 29,35	9,60 27,60
12102	**Chloramine T** *Chloramine T / Cloramina T* $CH_3C_6H_4SO_2NClNa \cdot 3H_2O$ $C_7H_7ClNNaO_2S \cdot 3H_2O$ $M = 281{,}69$ g/mol assay ..... 99% insoluble in ethanol absolute ..... 1,5% R: 36/37/38 S: 2-7-15 disposal: 7	PF. S. *2936*	1 kg 25 kg	26,75 kg	22,75 10,—	21,40
35892	**p-Chloranil** min. 99% PESTANAL® (2,3,5,6-Tetrachloro-1,4-benzoquinone) $OC(=O)CCl=CClC(=O)CCl=CCl$ $C_6Cl_4O_2$ $M = 245{,}88$ g/mol	FL. *2913*	5 g	14,25	12,10	11,40
62284	**p-Chloranil** PROSYNTH® *p-Chloranile / p-Cloranilo* $OC(=O)CCl=CClC(=O)CCl=CCl$ $C_6Cl_4O_2$ $M = 245{,}88$ g/mol assay (ex Cl) ..... 97% melting range ..... 290—293 °C	WG. *2913*	250 g	26,25	22,30	21,—
64392	**o-Chloranil** PROSYNTH® *o-Chloranile / o-Cloranilo* $OC(=O)C(=O)CCl=CClCCl=CCl$ $C_6Cl_4O_2$ $M = 245{,}88$ g/mol assay (ex Cl) ..... 97% melting range ..... 126—129 °C	WG. *2913*	25 g	58,—	49,30	46,40
33176	**Chloranilic acid** R. G. *Acide chloranilique / Acido cloranílico* $O=C_6Cl_2(=O)(OH)_2$ $C_6H_2Cl_2O_4$ $M = 208{,}99$ g/mol assay ..... min. 99% sulphated ash ..... max. 0,1% water (according to Karl Fischer) ..... max. 0,5% iron (Fe) ..... max. 0,001% heavy metals (as Pb) ..... max. 0,001%	WG. *2913*	25 g	16,25	13,80	13,—
33177 A 6.1/71 C 6.1 1564 3	**Chloranilic acid barium salt trihydrate** R. G. *Acide chloranilique sel de baryum trihydrate / Acido cloranílico sal de bario trihidrato* $O=C_6Cl_2(=O)(O_2Ba) \cdot 3H_2O$ $C_6BaCl_2O_4 \cdot 3H_2O$ $M = 398{,}35$ g/mol assay (ex Ba, on anhydrous substance) ..... min. 99% water (according to Karl Fischer) ..... 12—14% iron (Fe) ..... max. 0,001% heavy metals (as Pb) ..... max. 0,001% R: 20/22 S: 28 disposal: 24	WG. *2913*	25 g	20,25	17,20	16,20
33178	**Chloranilic acid lanthanum salt** R. G. *Acide chloranilique sel de lanthane / Acido cloranílico sal de lantano* $[O=C_6Cl_2(=O)(O_2)]_3La_2$ $C_{18}Cl_6La_2O_{12}$ $M = 898{,}72$ g/mol	WG. *2913*	25 g	40,—	34,—	32,—

er (GGVSee)	Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
Chloranilic acid mercury salt R. G., for photometric chloride determination *Acide chloranilique sel de mercure / Acido cloranílico sal de mercurio* $O=C_6Cl_2(=O)(O_2Hg)$ $C_6Cl_2HgO_4$ $M = 407{,}56$ g/mol assay (ex Hg) ..... min. 99% iron (Fe) ..... max. 0,001% R: 26/27/28-33 S: 2-13-28-36-45 disposal: 10	WG. *2913*	10 g	14,75	12,55	11,80	11,05
Chlorbutol see Acetone chloroform						
(2-Chlorethyl)vinyl ether PROSYNTH® *Ether (2-chloroéthyl)vinylique / Eter (2-cloroetil)vinílico* $ClCH_2CH_2OCH=CH_2$ C_4H_7ClO $M = 106{,}55$ g/mol **1 L ≈ 1,05 kg** assay (GC) ..... 97% boiling range ..... 106—108 °C refractive index (n_D^{20}) ..... 1,437 keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 10-23/24/25 S: 44 disposal: 7	FL. *2908*	100 ml	57,—	48,45	45,60	42,75
Chloretone see Acetone chloroform						
Chlorfenvinphos mixture of *cis*- and *trans*-isomers min. 99% PESTANAL® (O,O-Diethyl-O-2-chloro-1-[2,4-dichlorophenyl]-vinylphosphorothioate) $(CH_3CH_2O)_2P(O)OC(=CHCl)C_6H_3Cl_2$ $C_{12}H_{14}Cl_3O_4P$ $M = 359{,}57$ g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 26/27/28 S: 1-13-28-45 disposal: 7	FL. *2919*	2 g	56,50	48,05	45,20	42,40
Chlorhydric acid see Hydrochloric acid						
α-Chlorhydrin see 3-Chloropropanediol-(1,2)						
Chloric acid 18% pure *Acide chlorique / Acido clórico* $HClO_3$ $M = 84{,}46$ g/mol **1 L ≈ 1,11 kg** assay ..... 18—19% barium (Ba) ..... 0,02% iron (Fe) ..... 0,001% heavy metals (as Pb) ..... 0,002% sulphate (SO_4) ..... 0,05% R: 34 S: 26 disposal: 16	FL. TS. *2813*	† 1 L 25 kg	27,25 price on request	24,25 excluded from shipment by sea		
Chloridazone min. 99% PESTANAL® [1-Phenyl-4-amino-5-chloropyridazinone-(6)] $ClC=C(NH_2)C=NN(C_6H_5)C=O$ $C_{10}H_8ClN_3O$ $M = 221{,}65$ g/mol	FL. *2935*	1 g	28,25	24,—	22,60	21,20
10,00 g Chloride FIXANAL® as Hydrochloric acid *10,00 g Chlorure / 10,00 g Cloruro* ampoule	*3819*	1 pack	18,75	15,95	15,—	14,05

Code-Number
A) RID/ADR
B) GGVE/GGVS
C) IMDG-CODE (GGVSee)

Code-Number		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	
60384	**Chloroacetamide** PROSYNTH®	WG.	500 g	24,75	21,05	
A 6.1/82B	*Chloroacétamide / Cloroacetamida*	WG.	2,5 kg	92,—	76,35	
C 6.1 1609 3	$CH_2ClCONH_2$	*2925*				
	C_2H_4ClNO $M = 93{,}51$ g/mol					
	assay (GC) 99%					
	melting range ..... 116—118 °C					
	R: 25-36/38 S: 25-44 disposal: 7					
63301	**4-Chloroacetanilide** PROSYNTH®	WG.	100 g	57,—	48,45	
	4-Chloroacétanilide / 4-Cloroacetanilida	*2925*				
	$ClC_6H_4NHCOCH_3$					
	C_8H_8ClNO $M = 169{,}61$ g/mol					
	assay (ex Cl) 98%					
	melting range ..... 176—178 °C					
27203	**Chloroacetic acid** pure cryst.	WG.	1 kg	17,—	14,45	
A 8/21A1	*Acide chloroacétique / Acido cloroacético*	WG.	2,5 kg	36,—	29,90	
C 8 1751 2	$CH_2ClCOOH$	FTP.	50 kg	price on request		
	$C_2H_3ClO_2$ $M = 94{,}50$ g/mol	*2914*				
	assay 99%					
	boiling range ..... 185—187 °C					
	melting range ..... 62—63 °C					
	sulphated ash 0,05%					
	iron (Fe) 0,001%					
	heavy metals (as Pb) 0,005%					
	chloride (Cl) 0,02%					
	sulphate (SO_4) 0,005%					
	R: 23/24/25-35 S: 22-36/37/39 disposal: 21					
62313	**Chloroacetic acid sodium salt** PROSYNTH®	PF.	1 kg	53,—	45,05	
	Acide chloroacétique sel sodique / Acido cloroacético sal sódica	*2914*				
	$ClCH_2COONa$					
	$C_2H_2ClNaO_2$ $M = 116{,}48$ g/mol					
	assay 98%					
	R: 23/24/25 S: 22 disposal: 7					
64251	**Chloroacetic anhydride** PROSYNTH®	WG.	25 g	9,50	8,10	
A 8/21A	*Anhydride chloroacétique / Anhidrido cloroacético*	*2914*				
C 8 1751 2	$(ClCH_2CO)_2O$					
	$C_4H_4Cl_2O_3$ $M = 170{,}98$ g/mol					
	assay 97%					
	melting range ..... 44—47 °C					
	keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera					
	R: 23/24/25-35 S: 22-36/37/39 disposal: 21					
	Chloroacetone see 1-Chloropropanone					
62275	**Chloroacetonitrile** PROSYNTH®	FL.	100 ml	38,75	32,95	
A 6.1/11	*Chloroacétonitrile / Cloroacetonitrilo*	*2927*				
C 3.3 1992 2	$ClCH_2CN$					
+57 °C	C_2H_2ClN $M = 75{,}50$ g/mol 1 L ≈ 1,19 kg					
	assay (GC) 99%					
	boiling range ..... 124—126 °C					
	refractive index (n_D^{20}) 1,423					
	R: 23/24/25 S: 44 disposal: 15					

refer explanations

(GVSee)	Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
-Chloroacetophenone PROSYNTH® *Chloro-ω-acétophénone / ω-Cloroacetofenona* $C_6H_5COCH_2Cl$ C_8H_7ClO M = 154,60 g/mol assay (GC) ..... 98 % melting range ..... 54–56 °C R: 36/37/38 S: 26 disposal: 7	WG. *2913*	250 g	39,–	33,15	31,20	29,25
4-Chloroacetophenone PROSYNTH® *4-Chloroacétophénone / 4-Cloroacetofenona* $ClC_6H_4COCH_3$ C_8H_7ClO M = 154,60 g/mol 1 L ≈ 1,19 kg assay (GC) ..... 97 % boiling range ..... 230–232 °C refractive index (n_D^{20}) ..... 1,554 R: 36/37/38 S: 26 disposal: 7	FL. *2913*	1 L	126,50	107,55	101,20	97,40
4-Chloro-1-acetylbenzene see 4-Chloroacetophenone						
Chloroacetyl chloride PROSYNTH® *Chloroacétyle chlorure / Cloroacetilo cloruro* $CH_2ClCOCl$ $C_2H_2Cl_2O$ M = 112,94 g/mol 1 L ≈ 1,42 kg assay (alkalimetric) ..... 98 % boiling range ..... 105–106 °C refractive index (n_D^{20}) 1,453	FL. *2914*	500 ml	29,75	25,30	23,80	22,90
2-Chloroacrylonitrile PROSYNTH® stabilized with hydroquinone (1 g/l) *2-Chloroacrylonitrile / 2-Cloroacrilonitrilo* $CH_2=CClCN$ C_3H_2ClN M = 87,51 g/mol 1 L ≈ 1,10 kg assay (GC) ..... 99 % boiling range ..... 89–90 °C R: 11-23/24/25 S: 9-16-27-29-44 disposal: 15	FL. *2927*	250 ml	29,50	25,10	23,60	22,15
2-Chloro-1-aminoethane hydrochloride see 2-Chloroethylammonium chloride						
2-Chloroaniline PROSYNTH® *2-Chloroaniline / 2-Cloroanilina* $ClC_6H_4NH_2$ C_6H_6ClN M = 127,57 g/mol 1 L ≈ 1,21 kg assay (GC) ..... 99 % boiling range ..... 208–209 °C refractive index (n_D^{20}) ..... 1,589 R: 23/24/25-33 S: 28-36/37-44 disposal: 7	FL. *2922*	500 ml	23,50	20,–	18,80	18,10
3-Chloroaniline min. 99 % PESTANAL® *3-Chloroaniline / 3-Cloroanilina* $H_2NC_6H_4Cl$ C_6H_6ClN M = 127,57 g/mol R: 23/24/25-33 S: 28-36/37-44 disposal: 7	FL. *2922*	5 g	21,50	18,30	17,20	16,15

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM 1x	6x (1 Box)	24x (4 Box
62286 A 6.1/21E C 6.1 2019 2	**3-Chloroaniline** PROSYNTH® *3-Chloroaniline / 3-Cloroanilina* $ClC_6H_4NH_2$ C_6H_6ClN *M* = 127,57 g/mol **1 L ≈ 1,22 kg** assay (GC) ..... 99% boiling range ..... 228–230 °C refractive index (n_D^{20}) ..... 1,594 R: 23/24/25-33 S: 28-36/37-44 disposal: 7	FL. *2922*	500 ml 35,50	30,20	28
35823 A 6.1/21E C 6.1 2019 2	**4-Chloroaniline** min. 99% PESTANAL® *4-Chloroaniline / 4-Cloroanilina* $H_2NC_6H_4Cl$ C_6H_6ClN *M* = 127,57 g/mol R: 23/24/25-33 S: 28-36/37-44 disposal: 7	FL. *2922*	5 g 19,50	16,60	15
62287 A 6.1/21E C 6.1 2018 2	**4-Chloroaniline** PROSYNTH® *4-Chloroaniline / 4-Cloroanilina* $ClC_6H_4NH_2$ C_6H_6ClN *M* = 127,57 g/mol assay (GC) ..... 98% melting range ..... 69–70 °C R: 23/24/25-33 S: 28-36/37-44 disposal: 7	WG. *2922*	500 g 35,—	29,75	28
64268 A 6.1/21 C 6.1 • 2018 2	**3-Chloroaniline-4,6-disulphonamide** PROSYNTH® *Chloro-3-anilinedisulfonamide-4-6 / 3-Cloroanilina-4,6-disulfonamida* $ClC_6H_2(NH_2)(SO_2NH_2)_2$ $C_6H_8ClN_3O_4S_2$ *M* = 285,73 g/mol	WG. *2936*	100 g 53,50	45,50	42
64869 A 6.1/62 C 6.1 • 2431 3	**4-Chloro-o-anisidine** PROSYNTH® *4-Chloro-o-anisidine / 4-Cloro-o-anisidina* $NH_2C_6H_3ClOCH_3$ C_7H_8ClNO *M* = 157,60 g/mol assay (ex N) ..... 97% melting range ..... 81–83 °C (disint.) R: 26/27/28-33 S: 28-36/37-45 disposal: 7	WG. *2923*	250 g 31,—	26,35	24
62826 A 3/4 C 3.3 1993 2 +58 °C	**2-Chloroanisole** PROSYNTH® *2-Chloroanisole / 2-Cloroanisol* $ClC_6H_4OCH_3$ C_7H_7ClO *M* = 142,58 g/mol **1 L ≈ 1,19 kg** assay (GC) ..... 98% boiling range ..... 195–198 °C refractive index (n_D^{20}) 1,548	FL. *2908*	25 ml 36,75	31,25	29
62886 A 3/4 +75 °C	**3-Chloroanisole** PROSYNTH® *3-Chloroanisole / 3-Cloroanisol* $ClC_6H_4OCH_3$ C_7H_7ClO *M* = 142,58 g/mol **1 L ≈ 1,18 kg** assay (GC) ..... 97% boiling range ..... 191–193 °C refractive index (n_D^{20}) 1,536	FL. *2908*	25 ml 50,50	42,95	40
62288 A 3/4 +78 °C	**4-Chloroanisole** PROSYNTH® *4-Chloroanisole / 4-Cloroanisol* $ClC_6H_4OCH_3$ C_7H_7ClO *M* = 142,58 g/mol **1 L ≈ 1,20 kg** assay (GC) ..... 98% boiling range ..... 196–198 °C refractive index (n_D^{20}) 1,529	FL. *2908*	100 ml 164,—	139,40	13

refer explanations

r GGVSee)	Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
-Chloroanthraquinone PROSYNTH® *1-Chloroanthraquinone / 1-Cloroantraquinona* $C_6H_4COC_6H_3ClCO$ $C_{14}H_7ClO_2$ M = 242,66 g/mol assay (ex Cl) ..... 98% melting range ..... 158–161 °C	WG. *2913*	250 g	43,25	36,75	34,60	32,45
Chloroauric acid abt. 51% Au, brown *Acide chloroaurique / Acido cloroaúrico* tube of 1 g $H(AuCl_4) \cdot xH_2O$ M = (anhydrous) 339,79 g/mol	*2849*	1 pack	price on request			
Chloroauric acid abt. 50% Au, yellow *Acide chloroaurique / Acido cloroaúrico* tube of 1 g $H(AuCl_4) \cdot xH_2O$. M = (anhydrous) 339,79 g/mol	*2849*	1 pack	price on request			
Chlorobenside min. 99% PESTANAL® [4-Chlorophenyl-(4-chlorobenzyl)-sulfide] $ClC_6H_4SCH_2C_6H_4Cl$ $C_{13}H_{10}Cl_2S$ M = 269,19 g/mol	FL. *2931*	1 g	28,25	24,—	22,60	21,20
2-Chlorobenzal bromide PROSYNTH® *2-Chlorobenzale bromure / 2-Clorobenzalo bromuro* 2 $ClC_6H_4CHBr_2$ $C_7H_5Br_2Cl$ M = 284,38 g/mol	WG. *2902*	25 g	36,25	30,80	29,—	27,20
3-Chlorobenzal bromide PROSYNTH® *3-Chlorobenzale bromure / 3-Clorobenzalo bromuro* 2 $ClC_6H_4CHBr_2$ $C_7H_5Br_2Cl$ M = 284,38 g/mol assay (GC) 98%	FL. *2902*	25 g	36,25	30,80	29,—	27,20
4-Chlorobenzal bromide PROSYNTH® *4-Chlorobenzale bromure / 4-Clorobenzalo bromuro* 2 $ClC_6H_4CHBr_2$ $C_7H_5Br_2Cl$ M = 284,38 g/mol assay (GC) 95%	FL. *2902*	25 g	42,75	36,35	34,20	32,05
2-Chlorobenzaldehyde PROSYNTH® *2-Chlorobenzaldéhyde / 2-Clorobenzaldehido*) 2 ClC_6H_4CHO C_7H_5ClO M = 140,57 g/mol **1 L ≈ 1,25 kg** assay (GC) ..... 98% boiling range ..... 210–212 °C R: 34 S: 26 disposal: 14	FL. *2912*	1 L	76,50	65,05	61,20	58,90
3-Chlorobenzaldehyde PROSYNTH® *3-Chlorobenzaldéhyde / 3-Clorobenzaldehido* 0 2 ClC_6H_4CHO C_7H_5ClO M = 140,57 g/mol **1 L ≈ 1,24 kg** assay (GC) ..... 98% boiling range ..... 212–214 °C refractive index (n_D^{20}) ..... 1,565 R: 34 S: 26 disposal: 14	FL. *2912*	100 ml	136,50	116,05	109,20	102,40
4-Chlorobenzaldehyde PROSYNTH® *4-Chlorobenzaldéhyde / 4-Clorobenzaldehido* 11 2 ClC_6H_4CHO C_7H_5ClO M = 140,57 g/mol assay (GC) ..... 98% melting range ..... 45–47 °C R: 34 S: 26 disposal: 14	FL. *2912*	1 kg	70,—	59,50	56,—	53,90

PANPEHA® universal indicator paper in strips

Code-Number
A) RID/ADR
B) GGVE/GGVS
C) IMDG-CODE (GGVSee)

Code-Number		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24 (4 Bo
63968	**3-Chlorobenzamide** PROSYNTH® *3-Chlorobenzamide / 3-Clorobenzamida* $ClC_6H_4CONH_2$ C_7H_6ClNO $M = 155{,}58$ g/mol assay (ex Cl) ..... 95% melting range ..... 132–133 °C	WG. *2925*	5 g	56,50	48,05	45
15311 A 3/3 C 3.3 1134 2 +27 °C	**Chlorobenzene** *mono*, technical *Chlorobenzène / Clorobenceno* C_6H_5Cl $M = 112{,}56$ g/mol **1 L ≈ 1,10 kg** boiling range ..... 130–132 °C density (D_4^{20}) ..... 1,107–1,109 refractive index (n_D^{20}) ..... 1,5235–1,5250 R: 10-20 S: 24/25 disposal: 7	FL. FL. EKL. F. *2902*	1 L 2,5 L 30 kg 220 kg	16,– 33,25	13,60 27,60 price on request price on request	12 25
62296	**4-Chlorobenzenesulphonamide** PROSYNTH® *4-Chlorobenzène sulfonamide / 4-Clorobenceno sulfonamida* $ClC_6H_4SO_2NH_2$ $C_6H_6ClNO_2S$ $M = 191{,}64$ g/mol assay (ex N) ..... 98% melting range ..... 143–145 °C	PF. *2936*	1 kg	73,50	62,50	5
64857	**4-Chlorobenzhydrazide** PROSYNTH® *4-Chlorobenzhydrazide / 4-Clorobenzhidrazida* $ClC_6H_4CONHNH_2$ $C_7H_7ClN_2O$ $M = 170{,}60$ g/mol assay (aus Cl) ..... 97% melting range ..... 162–164 °C	WG. *2929*	10 g	34,–	28,90	2
62293 A 8/22 C 8 1760 2	**4-Chlorobenzhydryl chloride** PROSYNTH® *4-Chlorobenzyhdryle chlorure / 4-Clorobenzhidrilo cloruro* $ClC_6H_4CH(Cl)C_6H_5$ $C_{13}H_{10}Cl_2$ $M = 237{,}13$ g/mol **1 L ≈ 1,25 kg** assay (ex Cl) ..... 98% boiling range (at 3 mbar) ..... 158–160 °C refractive index (n_D^{20}) 1,601	FL. *2902*	100 ml	51,50	43,80	4
62294	**2-Chlorobenzoic acid** PROSYNTH® *Acide chloro-2-benzoïque / Acido 2-clorobenzóico* ClC_6H_4COOH $C_7H_5ClO_2$ $M = 156{,}57$ g/mol assay (alkalimetric) ..... 99% melting range ..... 139–141 °C	PF. *2914*	1 kg	54,50	46,35	4
64393	**3-Chlorobenzoic acid** PROSYNTH® *Acide chloro-3-benzoïque / Acido 3-clorobenzóico* ClC_6H_4COOH $C_7H_5ClO_2$ $M = 156{,}57$ g/mol assay (alkalimetric) ..... 98% melting range ..... 154–156 °C	WG. *2914*	100 g	67,50	57,40	5
60096	**4-Chlorobenzoic acid** PROSYNTH® *Acide chloro-4-benzoïque / Acido 4-clorobenzóico* ClC_6H_4COOH $C_7H_5ClO_2$ $M = 156{,}57$ g/mol assay (alkalimetric) ..... 99% melting range ..... 238–240 °C	PF. PF. *2914*	250 g 1 kg	23,– 76,50	19,55 65,05	
	4-Chlorobenzoic acid chloride see 4-Chlorobenzoyl chloride					

refer explanations

(GVSee)	Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
4-Chlorobenzonitrile PROSYNTH® *Chloro-2-benzonitrile / 2-Clorobenzonitrilo* ClC_6H_4CN C_7H_4ClN $M = 137,57$ g/mol assay (GC) ..... 98% melting range ..... 43—45 °C R: 20/21/22 S: 28 disposal: 15	WG. 2927	250 g	42,—	35,70	33,60	31,50
3-Chlorobenzonitrile PROSYNTH® *Chloro3-benzonitrile / 3-Clorobenzonitrilo* ClC_6H_4CN C_7H_4ClN $M = 137,57$ g/mol 1 L ≈ 1,14 kg assay (GC) ..... 99% melting range ..... 39—41 °C R: 20/21/22 S: 28 disposal: 15	FL. 2927	10 ml	100,—	85,—	80,—	75,—
4-Chlorobenzonitrile PROSYNTH® *Chloro-4-benzonitrile / 4-Clorobenzonitrilo* ClC_6H_4CN C_7H_4ClN $M = 137,57$ g/mol assay (GC) ..... 98% melting range ..... 90—92 °C R: 20/21/22 S: 28 disposal: 15	PF. 2927	100 g	172,—	146,20	137,60	129,—
4-Chlorobenzophenone PROSYNTH® *Chloro-4-benzophénone / 4-Clorobenzofenona* $ClC_6H_4COC_6H_5$ $C_{13}H_9ClO$ $M = 216,67$ g/mol assay (GC) ..... 98% melting range ..... 74—76 °C	PF. 2913	100 g	29,50	25,10	23,60	22,15
5-Chlorobenzotriazole PROSYNTH® *Chloro-5-benzotriazole / 5-Clorobenzotriazol* $ClC_6H_3N{=}NNH$ $C_6H_4ClN_3$ $M = 153,57$ g/mol assay (ex Cl) ..... 98% melting range ..... 156—158 °C	WG. 2935	25 g	57,50	48,90	46,—	43,15
4-Chlorobenzotrichloride PROSYNTH® *Chloro-4-benzotrichlorure / 4-Clorobenzotricloruro* $ClC_6H_4CCl_3$ $C_7H_4Cl_4$ $M = 229,92$ g/mol 1 L ≈ 1,48 kg assay (GC) ..... 97% boiling range (at 11 mbar) ..... 108—111 °C refractive index (n_D^{20}) ..... 1,446 R: 20/21/22 S: 28 disposal: 21	FL. 2902	100 ml	16,50	14,05	13,20	12,40
2-Chlorobenzotrifluoride PROSYNTH® *Chloro-2-benzotrifluorure / 2-Clorobenzotrifluoruro* $C_6H_4(CF_3)Cl$ $C_7H_4ClF_3$ $M = 180,56$ g/mol 1 L ≈ 1,37 kg assay (GC) ..... 98% boiling range ..... 150—152 °C refractive index (n_D^{20}) ..... 1,456 R: 10 disposal: 7	FL. 2902	250 ml	47,—	39,95	37,60	35,25

PEHANAL® universal indicator paper in rolls

Code-Number
A) RID/ADR
B) GGVE/GGVS
C) IMDG-CODE (GGVSee)

Type of package *B.T.N.* | Price per package DM 1x | 6x (1 Box) | 2

61076 **3-Chlorobenzotrifluoride** PROSYNTH®
Chloro-3-benzotrifluorure / 3-Clorobenzotrifluoruro

A 3/3
C 3.3 2234 3
+40 °C

$C_6H_4(CF_3)Cl$
$C_7H_4ClF_3$ $M = 180{,}56$ g/mol — **1 L ≈ 1,35 kg**

assay (GC) 93%
boiling range ..... 133–140 °C

R: 10 disposal: 7

FL. *2902* | **250 ml** | 53,– | 45,05

61077 **4-Chlorobenzotrifluoride** PROSYNTH®
Chloro-4-benzotrifluorure / 4-Clorobenzotrifluoruro

A 3/3
C 3.3 2234 3
+46 °C

$C_6H_4(CF_3)Cl$
$C_7H_4ClF_3$ $M = 180{,}56$ g/mol — **1 L ≈ 1,34 kg**

assay (GC) 99%
boiling range ..... 138–139 °C
refractive index (n_D^{20}) 1,446

R: 10 disposal: 7

FL. *2902* | **250 ml** | 40,50 | 34,45

60099 **2-Chlorobenzoyl chloride** PROSYNTH®
Chloro-2-benzoyle chlorure / 2-Clorobenzoilo cloruro

A 8/22
C 8 1760 2

ClC_6H_4COCl
$C_7H_4Cl_2O$ $M = 175{,}01$ g/mol — **1 L ≈ 1,38 kg**

assay (GC) 98%
boiling range (at 16 mbar) ..... 104–108 °C
refractive index (n_D^{20}) 1,572

R: 34 S: 26
disposal: 21

FL. *2914* | **250 ml** | 34,50 | 29,35

62948 **3-Chlorobenzoyl chloride** PROSYNTH®
Chloro-3-benzoyle chlorure / 3-Clorobenzoilo cloruro

A 8/22
C 8 1760 2

ClC_6H_4COCl
$C_7H_4Cl_2O$ $M = 175{,}01$ g/mol — **1 L ≈ 1,36 kg**

assay (GC) 98%
boiling range ..... 223–225 °C
refractive index (n_D^{20}) 1,569

R: 34 S: 26
disposal: 21

FL. *2914* | **100 ml** | 75,– | 63,75

62298 **4-Chlorobenzoyl chloride** PROSYNTH®
Chloro-4-benzoyle chlorure / 4-Clorobenzoilo cloruro

A 8/22
C 8 1760 2

ClC_6H_4COCl
$C_7H_4Cl_2O$ $M = 175{,}01$ g/mol — **1 L ≈ 1,38 kg**

assay (GC) 99%
boiling range (at 24 mbar) ..... 110–112 °C
refractive index (n_D^{20}) 1,579

R: 34 S: 26
disposal: 21

FL. *2914* | **100 ml** | 15,75 | 13,40

64846 **4-Chlorobenzyl alcohol** PROSYNTH®
Alcool 4-chlorobenzylique / Alcohol 4-clorobencílico

$ClC_6H_4CH_2OH$
C_7H_7ClO $M = 142{,}58$ g/mol

assay (ex Cl) 98%
melting range ..... 68–71 °C

WG. *2905* | **10 g** | 17,25 | 14,65

62299 **2-Chlorobenzylamine** PROSYNTH®
Chloro-2-benzylamine / 2-Clorobencilamina

A 8/35
C 8 1760 2

$ClC_6H_4CH_2NH_2$
C_7H_8ClN $M = 141{,}60$ g/mol — **1 L ≈ 1,17 kg**

assay (GC) 98%
boiling range ..... 101–104 °C
refractive index (n_D^{20}) 1,560

FL. *2922* | **50 ml** | 109,– | 92,6

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er (GGVSee)	Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
3-Chlorobenzylamine PROSYNTH® *Chloro-3-benzylamine / 3-Clorobencilamina* $ClC_6H_4CH_2NH_2$ C_7H_8ClN M = 141,60 g/mol 1 L ≈ 1,16 kg assay (GC) ... 97% boiling range ... 226—228 °C refractive index (n_D^{20}) ... 1,560	FL. 2922	10 ml	40,25	34,20	32,20	30,20
4-Chlorobenzylamine BIOSYNTH® *Chloro-4-benzylamine / 4-Clorobencilamina* $ClC_6H_4CH_2NH_2$ C_7H_8ClN M = 141,60 g/mol 1 L ≈ 1,16 kg	FL. 2922	10 ml	26,75	22,75	21,40	20,05
4-Chlorobenzylamine PROSYNTH® *Chloro-4-benzylamine / 4-Clorobencilamina* $ClC_6H_4CH_2NH_2$ C_7H_8ClN M = 141,60 g/mol 1 L ≈ 1,16 kg assay (GC) ... 98% boiling range (at 19 mbar) ... 104—106 °C refractive index (n_D^{20}) ... 1,558	FL. 2922	25 ml	58,—	49,30	46,40	43,50
2-Chlorobenzyl bromide PROSYNTH® *Chloro-2-benzyle bromure / 2-Clorobencilo bromuro* $ClC_6H_4CH_2Br$ 3 C_7H_6BrCl M = 205,48 g/mol 1 L ≈ 1,57 kg assay (GC) ... 95% boiling range (at 15 mbar) ... 118—120 °C	FL. 2902	25 g	131,—	111,35	104,80	98,25
3-Chlorobenzyl bromide PROSYNTH® *Chloro-3-benzyle bromure / 3-Clorobencilo bromuro* 5 3 $ClC_6H_4CH_2Br$ C_7H_6BrCl M = 205,48 g/mol 1 L ≈ 1,57 kg assay (GC) ... 85%	FL. 2902	25 ml	52,50	44,65	42,—	39,40
2-Chlorobenzyl chloride PROSYNTH® *Chloro-2-benzyle chlorure / 2-Clorobencilo cloruro* $ClC_6H_4CH_2Cl$ 35 3 $C_7H_6Cl_2$ M = 161,03 g/mol 1 L ≈ 1,27 kg assay (GC) ... 98% boiling range ... 213—215 °C refractive index (n_D^{20}) ... 1,559	FL. 2902	250 ml	25,—	21,25	20,—	18,75
3-Chlorobenzyl chloride PROSYNTH® *Chloro-3-benzyle chlorure / 3-Clorobencilo cloruro* $ClC_6H_4CH_2Cl$ 15 3 $C_7H_6Cl_2$ M = 161,03 g/mol 1 L ≈ 1,27 kg assay (GC) ... 98% boiling range ... 214—216 °C refractive index (n_D^{20}) ... 1,555	FL. 2902	50 ml	124,50	105,85	99,60	93,40
4-Chlorobenzyl chloride PROSYNTH® *Chloro-4-benzyle chlorure / 4-Clorobencilo cloruro* $ClC_6H_4CH_2Cl$ 3 $C_7H_6Cl_2$ M = 161,03 g/mol assay (GC) ... 99% melting range ... 27—29 °C	FL. 2902	250 ml	23,50	20,—	18,80	17,65
3-Chlorobenzyl cyanide PROSYNTH® *Chloro-3-benzyle cyanure / 3-Clorobencilo cianuro* $ClC_6H_4CH_2CN$ 1 C_8H_6ClN M = 151,60 g/mol 1 L ≈ 1,19 kg R: 23/24/25 S: 44 disposal: 15	FL. 2927	50 ml	54,50	46,35	43,60	40,90

Code-Number
A) RID/ADR
B) GGVE/GGVS
C) IMDG-CODE (GGVSee)

Type of package *B.T.N.* | Price per package DM | 1x | 6x (1 Box) | 24x (4 Boxes)

64396 **4-Chlorobenzyl cyanide PROSYNTH®**
Chloro-4-benzyle cyanure / 4-Clorobencilo cianuro
A 6.1/21A
C 6.1 1935 1
$ClC_6H_4CH_2CN$
C_8H_6ClN M = 151,60 g/mol
1 L ≈ 1,19 kg
assay (GC) 97%
melting range ..... 26–28 °C
R: 23/24/25 S: 44
disposal: 15
FL. *2927* | 250 ml | 46,– | 39,10 | 36

63051 **4-(4-Chlorobenzyl)pyridine PROSYNTH®**
(Chloro-4-4-benzyl)pyridine / 4-(4-Clorobencil)piridina
A 6.1/21K
C 6.1 2810 2
$N=CHCH=C(CH_2C_6H_4Cl)CH=CH$
$C_{12}H_{10}ClN$ M = 203,67 g/mol
1 L ≈ 1,18 kg
assay (GC) 98%
refractive index (n_D^{20}) 1,590
FL. *2935* | 25 ml | 28,– | 23,80 | 22

2-Chloro-1-bromomethylbenzene see 2-Chlorobenzyl bromide

3-Chloro-1-bromomethylbenzene see 3-Chlorobenzyl bromide

15224 **1-Chlorobutane**
Chloro-1-butane / 1-Clorobutano
A 3/1A
C 3.2 1127 2
+ 1 °C
$CH_3(CH_2)_3Cl$
C_4H_9Cl M = 92,57 g/mol
1 L ≈ 0,88 kg
assay (GC) 98%
boiling range ..... 77–80 °C
density (D_4^{20}) 0,886–0,888
refractive index (n_D^{20}) 1,4010–1,4030
R: 11 S: 9-16-29
disposal: 7
FL. *2902* | 500 ml | 14,75 | 12,55 | 1
FL. | 1 L | 26,75 | 22,75 | 2
EKL. | 25 kg | price on request

Chlorobutanol see Acetone chloroform

64841 **4-Chloro-1-butanol PROSYNTH®**
4-Chloro-1-butanol / 4-Cloro-1-butanol
A 3/3
C 3.3 1993 2
+50 °C
$HO(CH_2)_4Cl$
C_4H_9ClO M = 108,57 g/mol
1 L ≈ 1,09 kg
assay (ex Cl) 97%
boiling range (at 1 mbar) ..... 50–52 °C
refractive index (n_D^{20}) 1,453
keep in refrigerator
à stocker dans le frigidaire
almacenaje en la nevera
R: 10 disposal: 7
FL. *2904* | 100 ml | 45,25 | 38,45

64398 **3-Chloro-2-butanone PROSYNTH®**
Chloro-3-butanone-(2) / 3-Cloro-2-butanona
A 3/3
C 3.3 1992 2
+28 °C
$CH_3CHClCOCH_3$
C_4H_7ClO M = 106,55 g/mol
1 L ≈ 1,06 kg
assay (GC) 98%
boiling range ..... 114–116 °C
refractive index (n_D^{20}) 1,422
R: 10-36/37/38 S: 28
disposal: 7
FL. *2913* | 250 ml | 58,– | 49,30

64399 ***trans*-1-Chloro-2-butene PROSYNTH®**
trans-Chloro-1-butène-2 / trans-1-Cloro-2-buteno
A 3/1A
C 3.2 1993 2
-10 °C
$CH_3CH=CHCH_2Cl$
C_4H_7Cl M = 90,55 g/mol
1 L ≈ 0,93 kg
assay (GC) 95%
assay of *cis*-isomeres (GC) 5%
boiling range ..... 83–85 °C
R: 11 S: 9-16-33
disposal: 7
FL. *2902* | 100 ml | 27,25 | 23,15

refer explanations

r GGVSee)	Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
3-Chloro-1-butene PROSYNTH® *Chloro-3-butène-1 / 3-Cloro-1-buteno* $CH_3CHClCH=CH_2$ C_4H_7Cl $M=90{,}55$ g/mol **1 L ≈ 0,90 kg** assay (GC) ..... 98% boiling range ..... 63–65 °C refractive index (n_D^{20}) ..... 1,416 keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 11 S: 9-16-33 disposal: 7	FL. *2902*	100 ml	28,50	24,25	22,80	21,40
4-Chlorobutyric acid PROSYNTH® *Acide 4-chlorobutyrique / Acido 4-clorobutírico* $Cl(CH_2)_3COOH$ $C_4H_7ClO_2$ $M=122{,}55$ g/mol **1 L ≈ 1,22 kg**	FL. *2914*	25 ml	20,75	17,65	16,60	15,55
4-Chlorobutyronitrile PROSYNTH® *Chloro-4-butyronitrile / 4-Clorobutironitrilo* $Cl(CH_2)_3CN$ C_4H_6ClN $M=103{,}55$ g/mol **1 L ≈ 1,09 kg** assay (GC) ..... 95% boiling range ..... 197–198 °C refractive index (n_D^{20}) 1,446	FL. *2927*	100 ml	90,50	76,95	72,40	67,90
ω-Chlorobutyrophenone PROSYNTH® *ω-Chlorobutyrophénone / ω-Clorobutirofenona* $C_6H_5COCH_2CH_2CH_2Cl$ $C_{10}H_{11}ClO$ $M=182{,}65$ g/mol **1 L ≈ 1,14 kg** assay (HPLC) ..... 99% boiling range (at 5 mbar) ..... 130–133 °C refractive index (n_D^{20}) 1,546	FL. *2913*	100 ml	65,–	55,25	52,–	48,75
4-Chlorobutyrophenone PROSYNTH® *Chloro-4-butyrophénone / 4-Clorobutirofenona* $ClC_6H_4COCH_2CH_2CH_3$ $C_{10}H_{11}ClO$ $M=182{,}65$ g/mol assay (ex Cl) ..... 95% melting range ..... 35–37 °C	WG. *2913*	10 g	23,75	20,20	19,–	17,80
4-Chlorobutyryl chloride PROSYNTH® *Chloro-4-butyryle chlorure / 4-Clorobutirilo cloruro* $Cl(CH_2)_3COCl$ $C_4H_6Cl_2O$ $M=141{,}00$ g/mol **1 L ≈ 1,26 kg** assay (ex Cl) ..... 98% boiling range ..... 172–174 °C refractive index (n_D^{20}) 1,462	FL. *2914*	100 ml	19,25	16,35	15,40	14,45
Chlorocarbonyl *iso*-cyanate PROSYNTH® *Chlorocarbonyle iso-cyanate / Clorocarbonilo iso-cianato* ClCONCO C_2ClNO_2 $M=105{,}48$ g/mol **1 L ≈ 1,40 kg** R: 23/24/25 S: 44 disposal: 7	A. *2930*	5 ml	22,–	18,70	17,60	16,50
2-Chloro-1-chloromethylbenzene see 2-Chlorobenzyl chloride						
3-Chloro-1-chloromethylbenzene see 3-Chlorobenzyl chloride						
4-Chloro-1-chloromethylbenzene see 4-Chlorobenzyl chloride						

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24 (4 Box
63306	***trans*-2-Chlorocinnamic acid** PROSYNTH® *Acide trans-2-chlorocinnamique / Acido trans-2-clorocinámico cloruro* $ClC_6H_4CH=CHCOOH$ $C_9H_7ClO_2$ $M = 182{,}61$ g/mol assay (alkalimetric) ..... 98% melting range ..... 209–211 °C	WG. *2914*	25 g	29,–	24,65	23
63971	***trans*-3-Chlorocinnamic acid** PROSYNTH® *Acide trans-3-chlorocinnamique / Acido trans-3-clorocinámico cloruro* $ClC_6H_4CH=CHCOOH$ $C_9H_7ClO_2$ $M = 182{,}61$ g/mol assay (alkalimetric) ..... 90% melting range ..... 151–154 °C	WG. *2914*	10 g	22,–	18,70	1
63307	***trans*-4-Chlorocinnamic acid** PROSYNTH® *Acide trans-4-chlorocinnamique / Acido trans-4-clorocinámico cloruro* $ClC_6H_4CH=CHCOOH$ $C_9H_7ClO_2$ $M = 182{,}61$ g/mol assay (alkalimetric) ..... 99% melting range ..... 248–250 °C	WG. *2914*	10 g	22,–	18,70	1
	4-Chloro-m-cresol see 4-Chloro-3-methylphenol					
61223 A 6.1/21 C 6.1 2811 2	**4-Chloro-3-cyanobenzotrifluoride** PROSYNTH® *4-Chloro-3-cyanobenzotrifluorure / 4-Cloro-3-cianobenzotrifluoruro* $ClC_6H_3(CN)(CF_3)$ $C_8H_3ClF_3N$ $M = 205{,}57$ g/mol assay (GC) ..... 98% boiling range ..... 209–212 °C	WG. *2927*	10 g	47,50	40,40	
	Chlorocyclohexane see Cyclohexyl chloride					
62307	**2-Chlorocyclohexanone** PROSYNTH® stabilized with magnesium oxide (11 g/l) *Chloro-2-cyclohexanone / 2-Clorociclohexanona* $ClCH(CH_2)_4CO$ C_6H_9ClO $M = 132{,}59$ g/mol 1 L ≈ 1,16 kg assay (GC) ..... 98% boiling range (at 13 mbar) ..... 82–83 °C refractive index (n_D^{20}) 1,483	FL. *2913*	100 ml	120,–	102,–	
63318	**4-Chloro-1,2-diaminobenzene** PROSYNTH® *4-Chloro-1-2-diaminobenzène / 4-Cloro-1,2-diaminobenceno* $ClC_6H_3(NH_2)_2$ $C_6H_7ClN_2$ $M = 142{,}59$ g/mol assay (ex N) ..... 97% melting range ..... 69–72 °C	WG. *2922*	100 g	34,50	29,35	
63319	**4-Chloro-1,3-diaminobenzene** PROSYNTH® *4-Chloro-1-3-diaminobenzène / 4-Cloro-1,3-diaminobenceno* $ClC_6H_3(NH_2)_2$ $C_6H_7ClN_2$ $M = 142{,}59$ g/mol assay (ex N) ..... 97% melting range ..... 87–89 °C	WG. *2922*	100 g	29,50	25,10	
64837	**6-Chloro-2,4-diaminopyrimidine** PROSYNTH® *6-Chloro-2-4-diaminopyrimidine / 6-Cloro-2,4-diaminopirimidina* $N=C(NH_2)N=C(NH_2)CH=CCl$ $C_4H_5ClN_4$ $M = 144{,}56$ g/mol assay ..... 99% melting range ..... 198–201 °C	WG. *2935*	5 g	18,–	15,30	

refer explanations

(VSee)	Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
hlorodifluoroacetic acid PROSYNTH® *Acide chlorodifluoroacétique / Acido clorodifluoroacético* $ClCF_2CO_2H$ $C_2HClF_2O_2$ *M* = 130,48 g/mol **1 L ≈ 1,36 kg** assay (alkalimetric) ..... 98% boiling range ..... 121–123 °C keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 28 S: 1/2-20-22-26-45 disposal: 27	FL. *2914*	100 ml	197,–	167,45	157,60	147,75
Chlorodimeform min. 99% PESTANAL® (N-[4-Chloro-2-methylphenyl]-N,N-dimethylformamidine) $H_3CC=CHCCl=CHCH=CN=CHN(CH_3)_2$ $C_{10}H_{13}ClN_2$ *M* = 196,68 g/mol R: 20/21/22 S: 2-13 disposal: 7	FL. *2922*	1 g	21,50	18,30	17,20	16,15
Chlorodimeform hydrochloride min. 99% PESTANAL® (N'-[4-Chloro-2-methylphenyl]-N,N-dimethylformamidinium chloride) $H_3CC=CHCCl=CHCH=CN=CHN(CH_3)_2 \cdot HCl$ $C_{10}H_{14}Cl_2N_2$ *M* = 233,14 g/mol R: 20/21/22 S: 2-13 disposal: 7	FL. *2922*	1 g	21,50	18,30	17,20	16,15
5-Chloro-2,4-dimethoxyaniline PROSYNTH® *5-Chloro-2-4-diméthoxyaniline / 5-Cloro-2,4-dimetoxianilina* $(CH_3O)_2C_6H_2ClNH_2$ $C_8H_{10}ClNO_2$ *M* = 187,63 g/mol assay (ex Cl) ..... 95% melting range ..... 87–90 °C R: 36/37/38 S: 26 disposal: 19	WG. *2923*	100 g	19,25	16,35	15,40	14,45
2-Chloro-4-dimethylaminobenzaldehyde PROSYNTH® *2-Chloro-4-diméthylaminobenzaldéhyde / 2-Cloro-4-dimetilaminobenzaldehido* $(CH_3)_2NC_6H_3ClCHO$ $C_9H_{10}ClNO$ *M* = 183,64 g/mol	WG. *2923*	100 g	208,–	176,80	166,40	156,–
1-Chloro-2-dimethylaminoethane hydrochloride PROSYNTH® *1-Chloro-2-diméthylaminoéthane chlorhydrate / 1-Cloro-2-dimetilaminoetano clorhidrato* $(CH_3)_2NCH_2CH_2Cl \cdot HCl$ $C_4H_{11}Cl_2N$ *M* = 144,04 g/mol assay (ex Cl) ..... 99% melting range ..... 202–204 °C	WG. *2922*	100 g	14,50	12,35	11,60	10,90
4-Chloro-2,6-dimethylphenol PROSYNTH® *4-Chloro-2-6-diméthylphénol / 4-Cloro-2,6-dimetilfenol* $(CH_3)_2C_6H_2ClOH$ C_8H_9ClO *M* = 156,61 g/mol assay (GC) ..... 98% melting range ..... 80–83 °C R: 20/21/22 S: 2-28 disposal: 7	WG. *2907*	25 g	35,75	30,40	28,60	26,80

Code-Number
A) RID/ADR
B) GGVE/GGVS
C) IMDG-CODE (GGVSee)

Type of package B.T.N. | Price per package DM | 1x | 6x (1 Box) | 24 (4 Box

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64815 **Chlorodimethyl sulphide** PROSYNTH®
Chlorodiméthyle sulfure / Clorodimetilo sulfuro
A 3/1A
C 3.2 1992 2
+17 °C
CH_3SCH_2Cl
C_2H_5ClS $M = 96{,}58$ g/mol
1 L ≈ 1,17 kg
assay (GC) 97%
boiling range ..... 193—105 °C
refractive index (n_D^{20}) 1,496
R: 11 S: 9-16-33
disposal: 7

FL. *2931* | 25 ml | 32,25 | 27,40 | 2

62308 **1-Chloro-2,4-dinitrobenzene** PROSYNTH®
1-Chloro-2-4-dinitrobenzène / 1-Cloro-2,4-dinitrobenceno
A 6.1/21K
C 6.1 2811 2
$ClC_6H_3(NO_2)_2$
$C_6H_3ClN_2O_4$ $M = 202{,}55$ g/mol
assay (GC) 97%
melting range ..... 49—51 °C
R: 23/24/25-33 S: 28-37-44
disposal: 20

FL. *2903* | 1 kg | 41,50 | 35,30 | 3

63310 **4-Chloro-3,5-dinitrobenzoic acid** PROSYNTH®
Acide 4-chloro-3-5-dinitrobenzoïque / Acido 4-cloro-3,5-dinitrobenzóico
$(NO_2)_2C_6H_2ClCOOH$
$C_7H_3ClN_2O_6$ $M = 246{,}56$ g/mol
assay (alkalimetric) 98%
melting range ..... 160—163 °C

WG. *2914* | 10 g | 17,50 | 14,90

63311 **4-Chloro-3,5-dinitrobenzonitrile** PROSYNTH®
4-Chloro-3-5-dinitrobenzonitrile / 4-Cloro-3,5-dinitrobenzonitrilo
A 6.1/21K
C 6.1 2811 2
$(NO_2)_2C_6H_2ClCN$
$C_7H_2ClN_3O_4$ $M = 227{,}56$ g/mol
assay (ex N) 98%

FL. *2927* | 5 g | 54,50 | 46,35

61146 **2-Chloro-3,5-dinitrobenzotrifluoride** PROSYNTH®
2-Chloro-3-5-dinitrobenzotrifluorure / 2-Cloro-3,5-dinitrobenzotrifluoruro
A 6.1/21K
C 6.1 2811 2
$ClC_6H_2(NO_2)_2CF_3$
$C_7H_2ClF_3N_2O_4$ $M = 270{,}55$ g/mol

WG. *2903* | 10 g | 25,50 | 21,70

61083 **4-Chloro-3,5-dinitrobenzotrifluoride** PROSYNTH®
4-Chloro-3-5-dinitrobenzotrifluorure / 4-Cloro-3,5-dinitrobenzotrifluoruro
A 6.1/21M
C 6.1 2811 2
$C_6H_2(CF_3)(NO_2)_2Cl$
$C_7H_2ClF_3N_2O_4$ $M = 270{,}55$ g/mol
assay 97%
melting range ..... 54—56°C

WG. *2903* | 100 g | 136,50 | 116,05

1-Chloro-9,10-dioxo-9,10-dihydroanthracene see 1-Chloroanthraquinone

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65205 **4-Chlorodiphenyl ether** PROSYNTH®
Ether chloro-4-diphénylique / Eter 4-clorodifenílico
$ClC_6H_4OC_6H_5$
$C_{12}H_9ClO$ $M = 204{,}66$ g/mol
1 L ≈ 1,22 kg
boiling range (at 17 mbar) ..... 154—156 °C
refractive index (n_D^{20}) 1,590

FL. *2908* | 50 ml | price on reque

62309 **Chlorodiphenylmethane** PROSYNTH®
Chlorodiphénylméthane / Clorodifenilmetano
$(C_6H_5)_2CHCl$
$C_{13}H_{11}Cl$ $M = 202{,}68$ g/mol
1 L ≈ 1,14 kg
assay (GC) 97%
boiling range (at 4 mbar) ..... 138—140 °C
refractive index (n_D^{20}) 1,595

FL. *2902* | 100 ml | 26,— | 22,10

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refer explanations

r GVSee)	Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
-Chlorododecane PROSYNTH® *1-Chlorododécane / 1-Clorododecano* $CH_3(CH_2)_{11}Cl$ $C_{12}H_{25}Cl$ $M = 204{,}78$ g/mol — 1 L ≈ 0,87 kg assay (GC) ..... 98% boiling range (at 13 mbar) ..... 124–126 °C refractive index (n_D^{20}) 1,443	FL. 2902	1 L	49,–	41,65	39,20	37,75
1-Chloro-2,3-epoxypropane see Epichlorhydrin						
2-Chloroethanol *2-Chloroéthanol / 2-Cloroetanol* $ClCH_2CH_2OH$ C_2H_5ClO $M = 80{,}51$ g/mol — 1 L ≈ 1,20 kg assay ..... 99% boiling range ..... 126–129 °C density (D_4^{20}) ..... 1,200–1,204 refractive index (n_D^{20}) ..... 1,4420–1,4430 keep cool à stocker au frais conservese frio R: 26/27/28 S: 7/9-28-45 disposal: 7	FL. ZK. 2904	1 L 60 kg	28,50 price on request	24,25	22,80	21,95
2-Chloroethylammonium chloride PROSYNTH® *2-Chloroéthylammonium chlorure / 2-Cloroetilamonio cloruro* $CH_2ClCH_2NH_2 \cdot HCl$ $C_2H_7Cl_2N$ $M = 115{,}99$ g/mol assay (argentometric) ..... 98% melting range ..... 143–145 °C	PF. 2922	100 g	22,50	19,15	18,–	16,90
4-(2-Chloroethyl)morpholinium chloride PROSYNTH® *4-(2-Chloroéthyl)morpholinium chlorure / 4-(2-Cloroetil)morfolinio cloruro* $CH_2CH_2OCH_2CH_2NCH_2CH_2Cl \cdot HCl$ $C_6H_{13}Cl_2NO$ $M = 186{,}08$ g/mol assay (ex N) ..... 99% melting range ..... 184–186 °C	WG. 2935	100 g	24,–	20,40	19,20	18,–
1-(2-Chloroethyl)-piperidine hydrochloride PROSYNTH® *1-(Chloro-2-éthyl)-pipéridine chlorhydrate / 1-(2-Cloroetil)piperidinio clorhidrato* $ClCH_2CH_2N(CH_2)_4CH_2 \cdot HCl$ $C_7H_{15}Cl_2N$ $M = 184{,}11$ g/mol assay ..... 98% melting range ..... 230–232 °C	WG. 2935	100 g	34,50	29,35	27,60	25,90
N-(2-Chloroethyl)-pyrrolidine hydrochloride PROSYNTH® *N-(2-Chloroéthyl)-pyrrolidine chlorhydrate / N-(2-cloroetilo)-pirrolidin clorhidrato* $ClCH_2CH_2N(CH_2)_3CH_2 \cdot HCl$ $C_6H_{13}Cl_2N$ $M = 170{,}08$ g/mol assay (ex Cl) ..... 98% melting range ..... 167–170 °C	WG. 2935	25 g	18,–	15,30	14,40	13,50
Chlorofensone min. 99% PESTANAL® (4-Chlorophenyl-4-chlorobenzenesulfonate) $ClC_6H_4OS(O)_2C_6H_4Cl$ $C_{12}H_8Cl_2O_3S$ $M = 303{,}16$ g/mol	FL. 2921	1 g	14,50	12,35	11,60	10,90
3-Chloro-4-fluoroaniline PROSYNTH® *3-Chloro-4-fluoroaniline / 3-Cloro-4-fluoroanilina* $ClC_6H_3(NH_2)F$ C_6H_5ClFN $M = 145{,}56$ g/mol assay (GC) ..... 97% melting range ..... 42–44 °C R: 23/24/25-33 S: 28-36/37-44 disposal: 7	WG. 2922	25 g	45,–	38,25	36,–	33,75

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)
61500 A 6.1/61K C 8 1760 2	**2-Chloro-6-fluorobenzal chloride** PROSYNTH® *Chloro-2-fluoro-6-benzal chlorure / 2-Cloro-6-fluorobenza l cloruro* $ClC_6H_3(CHCl_2)F$ $C_7H_4Cl_3F$ $M = 213{,}47$ g/mol **1 L ≈ 1,48 kg** assay (GC) ..... 99% boiling range (at 133 mbar) ..... 158—160 °C	FL. *2902*	100 ml	96,—	81,60	76,
61394	**2-Chloro-6-fluorobenzaldehyde** PROSYNTH® *Chloro-2-fluoro-6-benzaldéhyde / 2-Cloro-6-fluorobenzaldehído* $ClC_6H_3(CHO)F$ C_7H_4ClFO $M = 158{,}56$ g/mol **1 L ≈ 1,22 kg** assay (GC) ..... 98% melting range ..... 35—37 °C	FL. EKL. *2912*	100 g 30 kg	71,— price on request	60,35	56,
61202 A 3/1A C 3.2 1993 2 +18 °C	**2-Chlorofluorobenzene** PROSYNTH® *2-Chlorofluorobenzène / 2-Clorofluorobenceno* ClC_6H_4F C_6H_4ClF $M = 130{,}55$ g/mol **1 L ≈ 1,24 kg** assay (GC) ..... 97% boiling range ..... 137—138 °C refractive index (n_D^{20}) ..... 1,501 R: 11-20 S: 7-16-29-33 disposal: 7	FL. *2902*	100 ml	163,—	138,55	130,
61045 A 3/1A C 3.2 1993 2 +18 °C	**3-Chlorofluorobenzene** PROSYNTH® *3-Chlorofluorobenzène / 3-Clorofluorobenceno* C_6H_4ClF $M = 130{,}55$ g/mol **1 L ≈ 1,23 kg** assay (GC) ..... 98% boiling range ..... 126—128 °C refractive index (n_D^{20}) ..... 1,493 R: 11-20 S: 7-16-29-33 disposal: 7	FL. *2902*	100 ml	100,50	85,45	80,
61046 A 3/1A C 3.2 1993 2 +18 °C	**4-Chlorofluorobenzene** PROSYNTH® *4-Chlorofluorobenzène / 4-Clorofluorobenceno* C_6H_4ClF $M = 130{,}55$ g/mol **1 L ≈ 1,21 kg** assay (GC) ..... 99% boiling range ..... 127—130 °C refractive index (n_D^{20}) ..... 1,499 R: 11-20 S: 7-16-29-33 disposal: 7	FL. *2902*	100 ml	110,—	93,50	88,
61166	**2-Chloro-6-fluorobenzoic acid** PROSYNTH® *Acide chloro-2-fluoro-6-benzoïque / Acido 2-cloro-6-fluorobenzóico* $ClC_6H_3(COOH)F$ $C_7H_4ClFO_2$ $M = 174{,}56$ g/mol assay (HPLC) 98%	WG. *2914*	100 g	85,—	72,25	68
61479 A 6.1/21 C 6.1 2811 2	**2-Chloro-6-fluorobenzoic acid nitrile** PROSYNTH® *Acide 2-chloro-6-fluorobenzoïque nitrile / Acido 2-cloro-6-fluorobenzóico nitrilo* $ClC_6H_3(CN)F$ C_7H_3ClFN $M = 155{,}56$ g/mol R: 23/24/25 S: 44 disposal: 15	WG. *2927*	100 g	108,—	91,80	86
61514 A 6.1/23 C 6.1 2811 2	**2-Chloro-4'-fluorobenzophenone** *Chloro-2-fluoro-4'-benzophénone / 2-Cloro-4'-fluorobenzofenona* $ClC_6H_4COC_6H_5F$ $C_{13}H_9ClFO$ $M = 234{,}66$ g/mol assay (GC) ..... 99% melting range ..... 60—62 °C	PF. *2913*	50 g	100,—	85,—	80

refer explanations

(GVSee)	Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
Chloro-6-fluorobenzotrichloride PROSYNTH® *2-Chloro-6-fluorobenzotrichlorure / 2-Cloro-6-fluorobenzotricloruro* $ClC_6H_3(CCl_3)F$ $C_7H_3Cl_4F$ $M = 247{,}91$ g/mol **1 L ≈ 1,57 kg** assay (GC) ..... 98% R: 20/21/22 S: 28 disposal: 21	FL. *2902*	100 ml	123,50	105,—	98,80	92,65
Chloro-6-fluorobenzyl alcohol PROSYNTH® *Alcool chloro-2-fluoro-6-benzylique / Alcohol 2-cloro-6-fluorobencilico* $ClC_6H_3(CH_2OH)F$ C_7H_6ClFO $M = 160{,}58$ g/mol assay (GC) 95%	PF. PF. *2905*	50 g † 100 g	100,— 180,—	85,— 153,—	80,—	75,—
-Chloro-6-fluorobenzylamine PROSYNTH® *Chloro-2-fluoro-6-benzylamine / 2-Cloro-6-fluorobencilamina* $ClC_6H_3(CH_2NH_2)F$ C_7H_7ClFN $M = 159{,}59$ g/mol assay (GC) ..... 98% boiling range (at 20 mbar) ..... 91—93 °C	FL. *2922*	50 ml	150,—	127,50	120,—	112,50
2-Chloro-6-fluorobenzyl chloride PROSYNTH® *Chloro-2-fluoro-6-benzyle chlorure / 2-Cloro-6-fluorobencilo cloruro* $ClC_6H_3(CH_2Cl)F$ $C_7H_5Cl_2F$ $M = 179{,}02$ g/mol **1 L ≈ 1,37 kg** assay (GC) ..... 99% boiling range ..... 208—210 °C R: 36/37/38 S: 26 disposal: 21	FL. FL. STP. *2902*	100 ml 2,5 L 30 kg	102,50 1690,— price on request	87,15 1402,70	82,— 1318,20	76,90 1267,50
2-Chloro-6-fluorobenzyl cyanide PROSYNTH® *Chloro-2-fluoro-6-benzyle cyanure / 2-Cloro-6-fluorobencilo cianuro* $ClC_6H_3(CH_2CN)F$ C_8H_5ClFN $M = 169{,}59$ g/mol assay (GC) ..... 98% boiling range (at 3 mbar) ..... 85 °C	WG. *2927*	100 g	150,—	127,50	120,—	112,50
ω-Chloro-4-fluorobutyrophenone PROSYNTH® *ω-Chloro-4-fluorobutyrophénone / ω-Cloro-4-fluorobutirofenona* $ClCH_2CH_2CH_2COC{=}CHCH{=}CFCH{=}CH$ $C_{10}H_{10}ClFO$ $M = 200{,}64$ g/mol **1 L ≈ 1,19 kg** assay (GC) ..... 97% boiling range (at 4 mbar) ..... 121—125 °C	FL. STP. *2913*	100 ml 30 kg	40,— price on request	34,—	32,—	30,—
3-Chloro-4-fluoronitrobenzene PROSYNTH® *3-Chloro-4-fluoronitrobenzène / 3-Cloro-4-fluoronitrobenceno* $C_6H_3ClFNO_2$ $M = 175{,}55$ g/mol assay (GC) ..... 98% melting range ..... 40—42 °C	WG. *2903*	100 g	134,50	114,35	107,60	100,90
4-Chloro-2-fluoro-5-nitrotoluene PROSYNTH® *4-Chloro-2-fluoro-5-nitrotoluène / 4-Cloro-2-fluoro-5-nitrotolueno* $ClC_6H_2FNO_2CH_3$ $C_7H_5ClFNO_2$ $M = 189{,}57$ g/mol assay (GC) ..... 98% melting range ..... 41—42 °C	WG. *2903*	10 g	72,50	61,65	58,—	54,40

Code-Number
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C) IMDG-CODE (GGVSee)

Code-Number		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)
61297 A 6.1/13C C 6.1 2810 2	**2-Chloro-4-fluorophenol** PROSYNTH® *2-Chloro-4-fluorophénol / 2-Cloro-4-fluorofenol* ClC_6H_3FOH C_6H_4ClFO M = 146,55 g/mol **1 L ≈ 1,33 kg** assay (GC) 98%	FL. *2907*	10 g	25,—	21,25*	20
61480	**2-Chloro-6-fluorophenyl acetic acid** PROSYNTH® *Acide 2-chloro-6-fluorophénylacétique / Acido 2-cloro-6-fluorofenilacético* $ClFC_6H_3CH_2COOH$ $C_8H_6ClFO_2$ M = 188,59 g/mol assay (GC) ..... 98% melting range ..... 120—121 °C	WG. *2914*	100 g	150,—	127,50	120
61497	**2-(2-Chloro-6-fluorophenyl)-acetoacetic acid** PROSYNTH® *Acide 2-(2-chloro-6-fluorophényl)-acétoacétique / Acido 2-(2-cloro-6-fluorofenilo)-acetoacético* $FClC_6H_3CH(COOH)COCH_3$ $C_{10}H_8ClFO_3$ M = 230,62 g/mol assay (GC) ..... 98% melting range ..... 142—144 °C	WG. WG. *2916*	50 g † 100 g	170,— 310,—	144,50 263,50	136
61498 A 6.1/21 C 6.1 2811 2	**2-(2-Chloro-6-fluorophenyl)-acetoacetnitrile** PROSYNTH® *2-(2-Chloro-6-fluorophényl)-acétoacétnitrile / 2-(2-Cloro-6-fluorofenilo)-acetoacetonitrilo* $FClC_6H_3CH(CN)COCH_3$ $C_{10}H_7ClFNO$ M = 211,62 g/mol assay (GC) ..... 98% R: 23/24/25 S: 44 disposal: 15	WG. *2927*	50 g	170,—	144,50	136
61487	**2-Chloro-6-fluorophenyl acetone** PROSYNTH® *Chloro-2-fluoro-6-phényl acétone / 2-Cloro-6-fluorofenilo acetona* $FClC_6H_3CH_2COCH_3$ C_9H_8ClFO M = 186,61 g/mol **1 L ≈ 1,22 kg** assay (GC) 99%	FL. FL. *2913*	50 ml † 100 ml	200,— 365,—	170,— 310,25	160
61051 A 3/3 C 3.3 1993 2 +48 °C	**2-Chloro-4-fluorotoluene** PROSYNTH® *2-Chloro-4-fluorotoluène / 2-Cloro-4-fluorotolueno* $C_6H_3(CH_3)ClF$ C_7H_6ClF M = 144,58 g/mol **1 L ≈ 1,19 kg** assay (GC) ..... 97% boiling range (at 18 mbar) ..... 50—52 °C refractive index (n_D^{20}) ..... 1,499 R: 10-20/21/22 disposal: 7	FL. *2902*	100 ml	131,—	111,35	104
61298 A 3/3 C 3.3 1993 2 48 °C	**2-Chloro-5-fluorotoluene** PROSYNTH® *2-Chloro-5-fluorotoluène / 2-Cloro-5-fluorotolueno* $ClC_6H_3FCH_3$ C_7H_6ClF M = 144,58 g/mol assay (GC) ..... 99% boiling range ..... 157—158 °C R: 10-20/21/22 disposal: 7	FL. *2902*	5 ml	68,—	57,80	54
61054 A 3/3 C 3.3 1993 2 +48 °C	**2-Chloro-6-fluorotoluene** PROSYNTH® *2-Chloro-6-fluorotoluène / 2-Cloro-6-fluorotolueno* $C_6H_3(CH_3)FCl$ C_7H_6ClF M = 144,58 g/mol **1 L ≈ 1,20 kg** assay (GC) ..... 99% R: 10-20/21/22 disposal: 7	FL. *2902*	100 ml	40,—	34,—	32

refer explanations

(See)	Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
hloro-6-fluorotoluene *2-Chloro-6-fluorotoluène / 2-Cloro-6-fluorotolueno* $C_6H_3(CH_3)FCl$ C_7H_6ClF $M = 144{,}58$ g/mol 1 L ≈ 1,20 kg assay (GC) ..... 98 % R: 10-20/21/22 disposal: 7	EKS. F. *2902*	45 kg 200 kg	price on request price on request			
Chloro-2-fluorotoluene PROSYNTH® *3-Chloro-2-fluorotoluène / 3-Cloro-2-fluorotolueno* $C_6H_3(CH_3)ClF$ C_7H_6ClF $M = 144{,}58$ g/mol assay (GC) ..... 99 % boiling range (at 113 mbar) ..... 92—94 gÅ	FL. *2902*	100 ml	price on request			
Chloro-2-fluorotoluene PROSYNTH® *4-Chloro-2-fluorotoluène / 4-Cloro-2-fluorotolueno* $C_6H_3(CH_3)ClF$ C_7H_6ClF $M = 144{,}58$ g/mol 1 L ≈ 1,18 kg assay (GC) ..... 99 % boiling range ..... 157—158 °C R: 10-20/21/22 disposal: 7	FL. *2902*	100 ml	90,—	76,50	72,—	67,50
-Chloro-2-fluorotoluene PROSYNTH® *5-Chloro-2-fluorotoluène / 5-Cloro-2-fluorotolueno* $C_6H_3(CH_3)ClF$ C_7H_6ClF $M = 144{,}58$ g/mol 1 L ≈ 1,19 kg assay (GC) ..... 99 % boiling range (at 100 mbar) ..... 94—95 °C R: 10-20/21/22 disposal: 7	FL. *2902*	100 ml	130,—	110,50	104,—	97,50
5-Chloro-3-fluorotoluene PROSYNTH® *5-Chloro-3-fluorotoluène / 5-Cloro-3-fluorotolueno* $C_6H_3(CH_3)ClF$ C_7H_6ClF $M = 144{,}58$ g/mol assay (GC) ..... 97 % boiling range ..... 156—158 °C	FL. *2902*	100 ml	price on request			

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24 (4 Bo
32211 A 6.1/61A B 6.1 61A C 6.1 1888 2	**Chloroform** R. G., stabilized with abt. 1% ethanol, Reag. ACS, Ph. Eur. I *Chloroforme / Cloroformo* $CHCl_3$ *M* = 119,38 g/mol **1 L ≈ 1,47 kg** assay (GC) ..... 99,0–99,4% boiling range ..... 60–62 °C density (D_{20}^{20}) ..... 1,476–1,481 refractive index (n_D^{20}) ..... 1,4440–1,4450 non-volatile matter ..... max. 0,0006% water (according to Karl Fischer) ..... max. 0,01% free acid (as HCl) ..... max. 0,00005% aluminium (Al) ..... max. 0,00005% lead (Pb) ..... max. 0,000005% boron (B) ..... max. 0,000002% cadmium (Cd) ..... max. 0,000005% calcium (Ca) ..... max. 0,00005% chromium (Cr) ..... max. 0,000002% iron (Fe) ..... max. 0,00001% cobalt (Co) ..... max. 0,000002% copper (Cu) ..... max. 0,000002% magnesium (Mg) ..... max. 0,00001% manganese (Mn) ..... max. 0,000002% nickel (Ni) ..... max. 0,000002% zinc (Zn) ..... max. 0,00001% tin (Sn) ..... max. 0,00001% free chlorine (Cl) ..... max. 0,00001% chloride (Cl) ..... max. 0,0001% aldehydes and cetones (as CH_3COCH_3) .. max. 0,005% dichloromethan ..... max. 0,01% ethanol ..... max. 0,6–1,0% tetrachloroethylen ..... max. 0,01% carbon tetrachloride ..... max. 0,01% trichloroethylene ..... max. 0,01% reaction to sulphuric acid ..... passes test R: 20 S: 2-24/25 disposal: 13	FL. FL. BA. BA. BA. *2902*	1 L 2,5 L 35 kg 5x 10x	31,25 65,50 kg kg kg	26,55 54,35 9,25 8,50 8,25	2 5
32286 A 6.1/61A B 6.1 61A C 6.1 1888 2	**Chloroform** R.G., for determinations with dithizone, Reag. ACS, Reag. ISO, stabilized with abt. 1% ethanol *Chloroforme / Cloroformo* $CHCl_3$ *M* = 119,38 g/mol **1 L ≈ 1,47 kg** assay (GC) ..... min. 99% boiling range ..... 60–62 °C density (D_{20}^{20}) ..... 1,476–1,481 refractive index (n_D^{20}) ..... 1,4440–1,4450 non-volatile matter ..... max. 0,0006% water (according to Karl Fischer) ..... max. 0,01% non-volatile matter ..... max. 0,0006% free acid (as HCl) ..... max. 0,00005% aluminium (Al) ..... max. 0,00005% barium (Ba) ..... max. 0,00001% lead (Pb) ..... max. 0,000005% boron (N) ..... max. 0,000002% cadmium (Cd) ..... max. 0,000005% calcium (Ca) ..... max. 0,00005% chromium (Cr) ..... max. 0,000002% iron (Fe) ..... max. 0,00001% cobalt (Co) ..... max. 0,000002% copper (Cu) ..... max. 0,000002% magnesium (Mg) ..... max. 0,0001% manganese (Mn) ..... max. 0,000002% nickel (Ni) ..... max. 0,000002% zinc (Zn) ..... max. 0,00001% free chlorine (Cl) ..... max. 0,00001% chloride (Cl) ..... max. 0,0001% aldehydes and cetones (as CH_3COCH_3) .. max. 0,005% dichloromethan ..... max. 0,01% ethanol ..... 0,6–1,0% tetrachlorethylen ..... max. 0,01% carbon tetrachloride ..... max. 0,01% trichloroethylen ..... max. 0,01% reaction to sulphuric acid ..... passes test suitability for determinations with dithizone passes test R: 20 S: 2-24/25 disposal: 13	FL. *2902*	1 L	41,25	35,05	3

refer explanations

r GGVSee)	Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
Chloroform min. 99,9% for gas chromatography *Chloroforme / Cloroformo* $CHCl_3$ $M = 119{,}38$ g/mol **1 L ≈ 1,47 kg** R: 20 S: 2-24/25 disposal: 13	FL. *2902*	5 ml	49,25	41,85	39,40	36,95
Chloroform SPECTRANAL®, stabilized with abt. 1% ethanol *Chloroforme / Cloroformo* $CHCl_3$ $M = 119{,}38$ g/mol **1 L ≈ 1,47 kg** assay (GC) ..... min. 99% non-volatile matter ..... max. 0,0005% water (acc. to Karl Fischer) ..... max. 0,01% free acid (as HCl) ..... max. 0,001% ethanol (GC) ..... 0,6—1,0% suitability for UV spectroscopy transmittance (1 cm cell/reference:water) transmittance/wavelength (nm): min. 50%/250, min. 90%/260, min. 98%/from 275 suitability for IR spectroscopy ..... passes test R: 20 S: 2-24/25 disposal: 13	FL. FL. *2902*	1 L 2,5 L	37,— 80,—	31,45 66,40	29,60 62,40	28,50 60,—
Chloroform CHROMASOLV® for chromatography (UV-detection) amylen stabilized *Chloroforme / Cloroformo* 2 $CHCl_3$ $M = 119{,}38$ g/mol **1 L ≈ 1,47 kg** assay (GC) ..... min. 99% non-volatile matter ..... max. 0,0005% water (according to Karl Fischer) ..... max. 0,01% free acid (as HCl) ..... max. 0,001% transmittance (1 cm cell; reference: water) transmittance/wavelength (nm) min. 30%/250, min. 80%/260, min. 98%/from 275 R: 20 S: 2-24/25 disposal: 13	FL. *2902*	1 L	32,75	27,85	26,20	25,20
Chloroform PESTANAL®, stabilized with about 1% ethanol *Chloroforme / Cloroformo* 3 2 $CHCl_3$ $M = 119{,}38$ g/mol **1 L ≈ 1,47 kg** assay (GC) ..... min. 99% non-volatile matter ..... max. 0,0005% water (according to Karl Fischer) ..... max. 0,05% suitability for residue analysis: Traceable accompanying substances (GC/ECD) (column 0,5 m, glass capillary Ø 3 mm Silicon TLC 200 on Chromosorb® 100/200) show in the retention volum zones between Pentachlorobenzene, α-HCH, Aldrin and DDT a peak of $< 5 \cdot 10^{-10}$% ≙ 5 ng/l. R: 20 S: 2-24/25 disposal: 13	FL. FL. *2902*	1 L 2,5 L	30,75 65,—	26,15 53,95	24,60 50,70	23,70 48,75

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)
17846 A 6.1/61A C 6.1 1888 2	**Chloroform** PURANAL®, stabilized with abt. 1% ethanol *Chloroforme / Cloroformo* $CHCl_3$ M = 119,38 g/mol — 1 L ≈ 1,47 kg assay (GC) ..... 99,0–99,4% boiling range ..... 60–62 °C density (D_{20}^{20}) ..... 1,476–1,481 refractive index (n_D^{20}) ..... 1,4440–1,4450 non-volatile matter ..... max. 5 ppm water (according to Karl Fischer) ..... max. 100 ppm free acid (as HCl) ..... max. 0,5 ppm aluminium (Al) ..... max. 0,05 ppm antimony (Sb) ..... max. 0,01 ppm arsenic (As) ..... max. 0,01 ppm barium (Ba) ..... max. 0,1 ppm beryllium (Be) ..... max. 0,01 ppm lead (Pb) ..... max. 0,02 ppm boron (B) ..... max. 0,02 ppm cadmium (Cd) ..... max. 0,01 ppm calcium (Ca) ..... max. 0,2 ppm chromium (Cr) ..... max. 0,01 ppm iron (Fe) ..... max. 0,1 ppm gallium (Ga) ..... max. 0,02 ppm gold (Au) ..... max. 0,02 ppm indium (In) ..... max. 0,02 ppm potassium (K) ..... max. 0,1 ppm cobalt (Co) ..... max. 0,01 ppm copper (Cu) ..... max. 0,01 ppm lithium (Li) ..... max. 0,02 ppm magnesium (Mg) ..... max. 0,1 ppm manganese (Mn) ..... max. 0,01 ppm molybdenum (Mo) ..... max. 0,01 ppm sodium (Na) ..... max. 0,2 ppm nickel (Ni) ..... max. 0,01 ppm platinum (Pt) ..... max. 0,02 ppm silver (Ag) ..... max. 0,02 ppm strontium (Sr) ..... max. 0,02 ppm thallium (Tl) ..... max. 0,02 ppm titanium (Ti) ..... max. 0,01 ppm vanadium (V) ..... max. 0,01 ppm bismuth (Bi) ..... max. 0,02 ppm zinc (Zn) ..... max. 0,05 ppm tin (Sn) ..... max. 0,02 ppm zirconium (Zr) ..... max. 0,01 ppm free chlorine (Cl) ..... max. 0,1 ppm chloride (Cl) ..... max. 1 ppm phosgene ..... max. 0,2 ppm ethanol (GC) ..... 0,6–1,0% R: 20 S: 2-24/25 disposal: 13	FL. BA. *2902*	2,5 L 35 kg	price on request price on request		
24216 A 6.1/61A C 6.1 1888 2	**Chloroform** chem. pure DAB 8, B. P. 1973, stabilized with abt. 1% ethanol *Chloroforme / Cloroformo* $CHCl_3$ M = 119,38 g/mol — 1 L ≈ 1,47 kg assay (GC) ..... 99,0–99,4% assay of ethanol ..... 0,6–1,0% boiling range ..... 60–62 °C density (D_{20}^{20}) ..... 1,476–1,481 refractive index (n_D^{20}) ..... 1,4440–1,4460 non-volatile matter ..... 0,001% acidly or alkalinely reacting impurities ..... passes test chloride (Cl) ..... 0,0001% reaction to sulphuric acid ..... passes test R: 20 S: 2-24/25 disposal: 13	FL. FL. EKL. EKL. EKL. F. *2902*	1 L 2,5 L 45 kg 5x 10x 20x 250 kg	26,75 57,– kg kg kg kg kg	22,75 47,30 5,60 5,20 4,95 4,80 4,35	20,85 44,45

refer explanations

GVSee)	Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
Chloroform-d deuteration degree not less than 99,95 atom %D *Chloroforme-d / Cloroformo-d* $CDCl_3$ $M = 120{,}37$ g/mol 1 L ≈ 1,50 kg R: 20 S: 2-24/25 disposal: 13	A. 2851	25 ml	75,—	63,75	60,—	56,25
Chloroform-d deuteration degree not less than 99,8 atom %D *Chloroforme-d / Cloroformo-d* $CDCl_3$ $M = 120{,}37$ g/mol 1 L ≈ 1,50 kg R: 20 S: 2-24/25 disposal: 13	FL. 2851 FL. 2851	100 ml 500 ml	107,50 456,—	91,40 387,60	86,— 364,80	80,65 342,—
Chloroform-d deuteration degree not less than 99,5 atom % D *Chloroforme-d / Cloroformo-d* $CDCl_3$ $M = 120{,}37$ g/mol 1 L ≈ 1,50 kg keep cool à stocker au frais consérvese frio R: 20 S: 2-24/25 disposal: 13	FL. 2851 FL. 2851	100 ml 500 ml	72,— 297,—	61,20 252,45	57,60 237,60	54,— 228,70
Chloroformamidinium chloride PROSYNTH® *Chloroformamidinium chlorure / Cloroformamidinio cloruro* $CH_4Cl_2N_2$ $M = 114{,}96$ g/mol assay (ex Cl) ..... 98% melting range ..... 176—179 °C (disint.)	WG. 2926	100 g	13,—	11,05	10,40	9,75
Chlorogenic acidhemihydrate PROSYNTH® *Acide chlorogéniquehémihydrate / Acido clorogénicohemihidrato* $C_{16}H_{18}O_9 \cdot 0{,}5H_2O$ $M = 363{,}32$ g/mol assay (alkalimetric) ..... 98% melting range ..... 206—208 °C (disint.)	FL. 2916	1 g	90,50	76,95	72,40	67,90
1-Chloroheptane PROSYNTH® *1-Chloroheptane / 1-Cloroheptano* 2 $CH_3(CH_2)_6Cl$ $C_7H_{15}Cl$ $M = 134{,}65$ g/mol 1 L ≈ 0,87 kg assay (GC) ..... 97% boiling range ..... 159—161 °C refractive index (n_D^{20}) ..... 1,425 R: 10 disposal: 7	FL. 2902	100 ml	23,25	19,75	18,60	17,45
3-Chloroheptane PROSYNTH® *3-Chloroheptane / 3-Cloroheptano* 2 $CH_3(CH_2)_3CHClCH_2CH_3$ $C_7H_{15}Cl$ $M = 134{,}65$ g/mol 1 L ≈ 0,87 kg assay (GC) ..... 97% boiling range (at 27 mbar) ..... 46—48 °C refractive index (n_D^{20}) ..... 1,423 R: 10 disposal: 7	FL. 2902	25 ml	17,—	14,45	13,60	12,75
1-Chlorohexane PROSYNTH® *1-Chlorohexane / 1-Clorohexano* 3 2 $CH_3(CH_2)_5Cl$ $C_6H_{13}Cl$ $M = 120{,}62$ g/mol 1 L ≈ 0,88 kg assay (GC) ..... 99% boiling range ..... 132—134 °C refractive index (n_D^{20}) ..... 1,419 R: 10 disposal: 7	FL. 2902	100 ml	28,50	24,25	22,80	21,40

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)
64924 A 6.1/12B C 6.1 1615 3	**6-Chloro-1-hexanol** PROSYNTH® *6-Chloro-1-hexanol / 6-Cloro-1-hexanol* $Cl(CH_2)_6OH$ $C_6H_{13}ClO$ $M = 136{,}62$ g/mol **1 L ≈ 1,03 kg** assay (GC) ..... 95% boiling range (at 19 mbar) ..... 108–112 °C refractive index (n_D^{20}) 1,455	FL. *2904*	50 ml	38,75	32,95	31,–
64279	**Chlorohydroquinone** PROSYNTH® *Chlorohydroquinone / Clorohidroquinona* $ClC_6H_3(OH)_2$ $C_6H_5ClO_2$ $M = 144{,}56$ g/mol assay (HPLC) ..... 95% melting range ..... 103–107 °C R: 20/21/22 S: 28 disposal: 7	WG. *2913*	100 g	28,50	24,25	22,80
	3-Chloro-1-hydroxybenzene see 3-Chlorophenol					
64141	**3-Chloro-4-hydroxybenzoic acid** PROSYNTH® *Acide 3-chloro-4-hydroxybenzoïque / Acido 3-cloro-4-hidroxibenzóico* $ClC_6H_3(OH)COOH$ $C_7H_5ClO_3$ $M = 172{,}57$ g/mol assay (alkalimetric) ..... 99% melting range ..... 167–170 °C	WG. *2916*	10 g	40,25	34,20	32,20
64237	**2-Chloro-3-hydroxypyridine** PROSYNTH® *2-Chloro-3-hydroxypyridine / 2-Cloro-3-hidroxipiridina* $N{=}CClC(OH){=}CHCH{=}CH$ C_5H_4ClNO $M = 129{,}55$ g/mol assay (ex N) ..... 98% melting range ..... 170–172 °C	WG. *2935*	5 g	37,25	31,65	29,80
63313	**2-Chloro-6-hydroxypyridine** PROSYNTH® *2-Chloro-6-hydroxypyridine / 2-Cloro-6-hidroxipiridina* $N{=}CClCH{=}CHCH{=}COH$ C_5H_4ClNO $M = 129{,}55$ g/mol assay (ex N) ..... 98% melting range ..... 129–131 °C	WG. *2935*	25 g	46,–	39,10	36,80
22069	**5-Chloro-8-hydroxyquinoline** *5-Chloro-8-hydroxyquinoléine / 5-Cloro-8-hidroxiquinolina* $ClC_6H_2(OH)CH{=}CHCH{=}N$ C_9H_6ClNO $M = 179{,}61$ g/mol	WG. FTP. FTP. *2935*	500 g 10 kg 50 kg	93,–	79,05 price on request price on request	74,40
	5-Chloro-2-hydroxy-m-xylene see 4-Chloro-2,6-dimethylphenol					
	Chloroiodine solution according to Wijs see Iodine solution according to Wijs					
64256 A 6.1/62 C 6.1 2810 3	**2-Chloroiodobenzene** PROSYNTH® *Chloro-2-iodobenzène / 2-Cloroyodobenceno* C_6H_4ClJ $M = 238{,}46$ g/mol **1 L ≈ 1,96 kg** assay (GC) ..... 99% boiling range ..... 233–235 °C refractive index (n_D^{20}) 1,635	FL. FL. *2902*	† 5 ml 25 ml	19,– 70,–	16,15 59,50	 56,–
63314	**4-Chloroiodobenzene** PROSYNTH® *Chloro-4-iodobenzène / 4-Cloroyodobenceno* C_6H_4ClJ $M = 238{,}46$ g/mol assay (GC) ..... 99% melting range ..... 54–56 °C	WG. *2902*	100 g	111,50	94,80	89,20

refer explanations

GVSee)	Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
-Chloro-3-iodobenzotrifluoride PROSYNTH® *4-Chloro-3-iodobenzotrifluorure / 4-Cloro-3-yodobenzotrifluoruro* $ClJC_6H_3CF_3$ $C_7H_3ClF_3J$ $M = 306,45$ g/mol assay (GC) ..... 97% refractive index (n_D^{20}) 1,534	FL. *2902*	25 g	33,75	28,70	27,—	25,30
5-Chloro-7-iodo-8-hydroxyquinoline U. S. P. XVI *5-Chloro-7-iode-8-hydroxyquinoléine / 5-Cloro-7-yodo-8-hidroxiquinolina* $JC_6HCl(OH)CH=CHCH=N$ C_9H_5JNO $M = 305,50$ g/mol	WG. FTP. *2935*	1 kg 50 kg	133,—	113,05 price on request	106,40	102,40
5-Chloro-7-iodo-8-hydroxyquinoline U.S.P. XVIII *5-Chlor-7-iode-8-hydroxyquinoléine / 5-Cloro-7-yodo-8-hidroxiquinolina* $JC_6HCl(OH)CH=CHCH=N$ C_9H_5ClJNO $M = 305,50$ g/mol	PF. FTP. *2935*	1 kg 50 kg	price on request price on request			
2-Chloro-4-iodotoluene PROSYNTH® *2-Chloro-4-iodotoluène / 2-Cloro-4-yodotolueno* $CH_3C_6H_3ClJ$ C_7H_6ClJ $M = 252,48$ g/mol **1 L ≈ 1,79 kg** assay (GC) 97%	FL. *2902*	25 g	39,25	33,35	31,40	29,45
4-Chloromandelic acid PROSYNTH® *Acide 4-chloromandélique / Acido 4-cloroamigdálico* $ClC_6H_4CH(OH)COOH$ $C_8H_7ClO_3$ $M = 186,59$ g/mol assay (ex Cl) ..... 97% melting range ..... 118—120 °C	WG. *2916*	10 g	41,50	35,30	33,20	31,15
4-Chloro-1-mercaptobenzene see 4-Chlorothiophenol						
4-(Chloromercuri)benzoic acid PROSYNTH® *Acide 4-(chloromercuri)benzoïque / Acido 4-(cloromercuri)benzóico* $ClHgC_6H_4COOH$ $C_7H_5ClHgO_2$ $M = 357,16$ g/mol assay (HPLC) ..... 95% R: 26/27/28-33 S: 2-13-28-36-45 disposal: 10	WG. *2933*	10 g	53,—	45,05	42,40	39,75
4-(Chloromercuri)benzoic acid sodium salt PROSYNTH® *Acide 4-(chloromercuri)benzoïque sel sodique / Acido 4-(cloromercuri)benzóico sal sódica* $ClHgC_6H_4COONa$ $C_7H_4ClHgNaO_2$ $M = 379,14$ g/mol assay (iodometric) ..... 96% R: 26/27/28-33 S: 2-13-28-36-45 disposal: 10	WG. *2933*	10 g	54,50	46,35	43,60	40,90
2-Chloro-1-methoxybenzene see 2-Chloroanisole						
3-Chloro-1-methoxybenzene see 3-Chloroanisole						
4-Chloro-1-methoxybenzene see 4-Chloroanisole						
2-Chloro-6-methoxypyridine PROSYNTH® *2-Chloro-6-méthoxypyridine / 2-Cloro-6-metoxipiridina* $N=CClCH=CHCH=COCH_3$ C_6H_6ClNO $M = 143,57$ g/mol **1 L ≈ 1,22 kg** assay (GC) ..... 95% boiling range ..... 184—186 °C refractive index (n_D^{20}) 1,526	FL. *2935*	50 ml	40,25	34,20	32,20	30,20

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96 (16 Box
62317 A 6.1/21E C 6.1 2239 3	**2-Chloro-4-methylaniline** PROSYNTH® *Chloro-2-méthylaniline-4 / 2-Cloro-4-metilanilina* $ClC_6H_3(CH_3)NH_2$ C_7H_8ClN $M = 141{,}60$ g/mol **1 L ≈ 1,16 kg** assay (GC) ..... 98 % boiling range ..... 221 – 223 °C refractive index (n_D^{20}) ..... 1,575 R: 23/24/25-33 S: 28-36/37-44 disposal: 7	FL. *2922*	50 ml	183,–	155,55	146,40	137,
65204 A 6.1/21 C 6.1 • 2018 2	**2-Chloro-5-methylaniline** PROSYNTH® *2-Chloro-5-méthylaniline / 2-Cloro-5-metilanilina* $ClC_6H_3(CH_3)NH_2$ C_7H_8ClN $M = 141{,}60$ g/mol boiling range (at 13 mbar) ..... 98 – 100 °C R: 23/24/25-33 S: 28-36/37-44 disposal: 7	FL. *2912*	50 g	price on request			
65164 A 6.1/21E C 6.1 2810 2 +99 °C	**2-Chloro-6-methylaniline** PROSYNTH® *Chloro-2-méthylaniline-6 / 2-Cloro-6-metilanilina* $ClC_6H_3(CH_3)NH_2$ C_7H_8ClN $M = 141{,}60$ g/mol **1 L ≈ 1,17 kg** assay (GC) ..... 98 % boiling range ..... 218 – 220 °C refractive index (n_D^{20}) ..... 1,577 R: 23/24/25-33 S: 28-36/37-44 disposal: 7	FL. *2922*	250 ml	54,50	46,35	43,60	40,
64411 A 6.1/21E C 6.1 2239 3	**3-Chloro-2-methylaniline** PROSYNTH® *Chloro-3-méthyl-2-aniline / 3-Cloro-2-metilanilina* $ClC_6H_3(CH_3)NH_2$ C_7H_8ClN $M = 141{,}60$ g/mol **1 L ≈ 1,19 kg** assay (GC) ..... 99 % boiling range (at 13 mbar) ..... 115 – 117 °C refractive index (n_D^{20}) ..... 1,588 R: 23/24/25-33 S: 28-36/37-44 disposal: 7	FL. *2922*	250 ml	26,75	22,75	21,40	20,
62318 A 6.1/21E C 6.1 2239 3	**3-Chloro-4-methylaniline** PROSYNTH® *Chloro-3-méthylaniline-4 / 3-Cloro-4-metilanilina* $ClC_6H_3(CH_3)NH_2$ C_7H_8ClN $M = 141{,}60$ g/mol **1 L ≈ 1,18 kg** assay (GC) ..... 98 % boiling range ..... 238 – 240 °C refractive index (n_D^{20}) ..... 1,583 R: 23/24/25-33 S: 28-36/37-44 disposal: 7	FL. *2922*	250 ml	25,25	21,45	20,20	18,
62319 A 6.1/21E C 6.1 2239 3	**4-Chloro-2-methylaniline** PROSYNTH® *Chloro-4-méthylaniline-2 / 4-Cloro-2-metilanilina* $ClC_6H_3(CH_3)NH_2$ C_7H_8ClN $M = 141{,}60$ g/mol assay (GC) ..... 99 % melting range ..... 26 – 28 °C R: 23/24/25-33 S: 28-36/37-44 disposal: 7	FL. *2922*	250 g	31,50	26,80	25,20	23,6

refer explanations

Code-Number RID/ADR GGVE/GGVS IMDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
62320 6.1/21E 6.1 2239 3	**5-Chloro-2-methylaniline** PROSYNTH® *Chloro-5-méthylaniline-2 / 5-Cloro-2-metilanilina* $ClC_6H_3(CH_3)NH_2$ C_7H_8ClN M = 141,60 g/mol assay (GC) ..... 99% melting range ..... 21–23 °C R: 23/24/25-33 S: 28-36/37-44 disposal: 7	FL. 2922	250 g	35,–	29,75	28,–	26,25
	3-Chloro-1-methylbenzene see 3-Chlorotoluene						
	4-Chloro-1-methylbenzene see 4-Chlorotoluene						
65207	**2-(Chloromethyl)benzonitrile** PROSYNTH® *2-(Chlorométhyl)benzonitrile / 2-(Clorometil)benzonitrilo* $ClCH_2C_6H_4CN$ C_8H_6ClN M = 151,60 g/mol melting range ..... 56–57 °C	WG. 2927	100 g	price on request			
64223 A 8/22 C 8 1760 2	**2-Chloromethylbenzoyl chloride** PROSYNTH® *2-Chlorométhylbenzoyle chlorure / 2-Clorometilobenzoilo cloruro* $ClCH_2C_6H_4COCl$ $C_8H_6Cl_2O$ M = 189,04 g/mol 1 L ≈ 1,34 kg assay (GC) ..... 95% boiling range (bei 7 mbar) ..... 112–114 °C refractive index (n_D^{20}) 1,578	FL. 2914	25 ml	19,50	16,60	15,60	14,65
63974	**4-Chloro-α-methylbenzyl alcohol** PROSYNTH® *Alcool-4-chloro-α-méthylbenzylique / Alcohol-4-cloro-α-metilbencílico* $ClC_6H_4CH(CH_3)OH$ C_8H_9ClO M = 156,61 g/mol 1 L ≈ 1,17 kg assay (GC) 97%	FL. 2905	10 g	30,75	26,15	24,60	23,05
	Chloromethyl cyanide see Chloroacetonitrile						
62321	**1-(Chloromethyl)-naphthalene** PROSYNTH® *1-(Chlorométhyl)-naphtalène / 1-(Clorometil)-naftaleno* $C_{10}H_7CH_2Cl$ $C_{11}H_9Cl$ M = 176,65 g/mol assay (GC) 95%	FL. 2902	100 g	26,75	22,75	21,40	20,05
35833 A 6.1/22A C 6.1 2811 3	**4-Chloro-2-methylphenol** min. 99% PESTANAL® *4-Chloro-2-méthylphénol / 4-Cloro-2-metilfenol* $HOC_6H_3(CH_3)Cl$ C_7H_7ClO M = 142,58 g/mol R: 21/22-38 S: 26-28 disposal: 7	FL. 2907	5 g	21,50	18,30	17,20	16,15
64413 A 6.1/22A C 6.1 2021 3	**4-Chloro-2-methylphenol** PROSYNTH® *Chloro-4-méthyl-2-phénol / 4-Cloro-2-metilfenol* $Cl(CH_3)C_6H_3OH$ C_7H_7ClO M = 142,58 g/mol assay (GC) ..... 90% melting range ..... 40–45 °C R: 21/22-38 S: 26-28 disposal: 7	WG. 2907	1 kg	60,–	51,–	48,–	46,20
62322 A 6.1/22A C 6.1 2810 3	**4-Chloro-3-methylphenol** PROSYNTH® *4-Chloro-3-méthylphénol / 4-Cloro-3-metilfenol* $CH_3C_6H_3ClOH$ C_7H_7ClO M = 142,58 g/mol assay (GC) ..... 98% melting range ..... 63-66 °C R: 21/22-38 S: 26-28 disposal: 7	PF. 2907	1 kg	46,–	39,10	36,80	35,40

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96 (16 Bo
64261	**2-Chloromethyl-2-phenylpropane** PROSYNTH® *2-Chlorométhyl-2-phénylpropane / 2-Clorometil-2-fenilpropano* $C_6H_5C(CH_3)_2CH_2Cl$ $C_{10}H_{13}Cl$ $M = 168{,}67$ g/mol **1 L ≈ 1,04 kg** assay (GC) ..... 99% boiling range (at 13 mbar) ..... 94—97 °C refractive index (n_D^{20}) 1,525	FL. *2902*	10 ml	26,25	22,30	21,—	19,
60103 A 3/1A C 3.2 1993 2 -9 °C	**2-Chloro-2-methylpropane** PROSYNTH® (*tert.*-butyl chloride) *2-Chloro-2-méthylpropane / 2-Cloro-2-metilpropano* $(CH_3)_3CCl$ C_4H_9Cl $M = 92{,}57$ g/mol **1 L ≈ 0,85 kg** assay (GC) ..... 99% boiling range ..... 50—52 °C R: 11 S: 9-16-33 disposal: 7	FL. *2902*	1 L	25,25	21,45	20,20	19,
	3-Chloro-2-methylpropane see Methallyl chloride						
64923 A 3/3 C 3.3 1993 2 +33 °C	**1-Chloro-2-methyl-2-propanol** PROSYNTH® *1-Chloro-2-méthyl-2-propanol / 1-Cloro-2-metil-2-propanol* $(CH_3)_2C(OH)CH_2Cl$ C_4H_9ClO $M = 108{,}57$ g/mol **1 L ≈ 1,05 kg** assay (GC) ..... 98% boiling range ..... 125—127 °C refractive index (n_D^{20}) ..... 1,438 R: 10 disposal: 7	FL. *2904*	50 ml	37,50	31,90	30,—	28,
64234 A 6.1/61L C 6.1 2810 3	**2-Chloro-4-methylpyridine** PROSYNTH® *2-Chloro-4-méthylpyridine / 2-Cloro-4-metilpiridina* $N{=}CClCH{=}C(CH_3)CH{=}CH$ C_6H_6ClN $M = 127{,}57$ g/mol **1 L ≈ 1,16 kg** assay (GC) ..... 97% boiling range ..... 192—194 °C refractive index (n_D^{20}) 1,529	FL. *2935*	5 ml	28,25	24,—	22,60	21,2
64240 A 6.1/61L C 6.1 2810 3	**2-Chloro-6-methylpyridine** PROSYNTH® *2-Chloro-6-méthylpyridine / 2-Cloro-6-metilpiridina* $N{=}CClCH{=}CHCH{=}CCH_3$ C_6H_6ClN $M = 127{,}57$ g/mol **1 L ≈ 1,15 kg** assay (GC) ..... 98% boiling range (at 13 mbar) ..... 64—67 °C refractive index (n_D^{20}) 1,527	FL. *2935*	5 ml	28,50	24,25	22,80	21,4
63315 A 3/4	**4-Chloro-α-methylstyrene** PROSYNTH® *4-Chloro-α-méthylstyrène / 4-Cloro-α-metilestireno* $ClC_6H_4C(CH_3){=}CH_2$ C_9H_9Cl $M = 152{,}62$ g/mol **1 L ≈ 1,06 kg** assay (GC) ..... 96% boiling range (at 20 mbar) ..... 101—103 °C refractive index (n_D^{20}) 1,555	FL. *2902*	25 ml	46,50	39,55	37,20	34,9
64218 A 6.1/21 C 6.1 2810 2	**Chloromethyl thiocyanate** PROSYNTH® *Chlorométhylthiocyanate / Clorometiltiocianato* $ClCH_2SCN$ C_2H_2ClNS $M = 107{,}56$ g/mol **1 L ≈ 1,35 kg** assay (GC) ..... 98% boiling range (at 20 mbar) ..... 76—78 °C refractive index (n_D^{20}) ..... 1,516 R: 20/21/22-32 S: 2-13 disposal: 7	FL. *2931*	5 ml	21,50	18,30	17,20	16,1

refer explanations

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4255 8/23A 3.2 1993 2 °C	**Chloromethyltrimethylsilane** PROSYNTH® *Chlorométhyltriméthylsilane / Clorometiltrimetilsilano* $(CH_3)_3SiCH_2Cl$ $C_4H_{11}ClSi$ *M* = 122,67 g/mol **1 L ≈ 0,88 kg** assay (GC) ..... 97% boiling range ..... 97–99 °C refractive index (n_D^{20}) ..... 1,418 R: 11-36/37/38 S: 16-26-29 disposal: 7	A. *2934*	5 ml	47,50	40,40	38,–	35,65
4232	**Chloromethyltriphenylphosphonium chloride** PROSYNTH® *Chlorométhyltriphénylphosphonium chlorure / Clorometiltrifenilfosfónio cloruro* $ClCH_2P(Cl)(C_6H_5)_3$ $C_{19}H_{17}Cl_2P$ *M* = 347,22 g/mol assay (ex Cl) ..... 97% melting range ..... 265–267 °C	WG. *2934*	10 g	46,–	39,10	36,80	34,50
4270	**2-Chloronaphthalene** PROSYNTH® *Chloro-2-naphtalène / 2-Cloronaftaleno* $C_{10}H_7Cl$ *M* = 162,62 g/mol **1 L ≈ 1,19 kg** assay (ex Cl) ..... 97% melting range ..... 57–59 °C	WG. *2902*	25 g	48,75	41,45	39,–	36,55
4238	**2-Chloronicotinic acid** PROSYNTH® *Acide 2-chloronicotinique / Acido 2-cloronicotínico* $\underline{CH=CHCH=NCCl=C}COOH$ $C_6H_4ClNO_2$ *M* = 157,56 g/mol assay (alkalimetric) ..... 98% melting range ..... 176–178 °C (disint.)	WG. *2935*	10 g	23,25	19,75	18,60	17,45
2323 A 6.1/21E C 6.1 2237 3	**2-Chloro-4-nitroaniline** PROSYNTH® *2-Chloro-4-nitroaniline / 2-Cloro-4-nitroanilina* $NO_2C_6H_3ClNH_2$ $C_6H_5ClN_2O_2$ *M* = 172,57 g/mol assay (HPLC) ..... 98% melting range ..... 106–108 °C R: 26/27/28-33 S: 28-36/37-45 disposal: 20	WG. *2922*	500 g	40,50	34,45	32,40	31,20
63068 A 6.1/21E C 6.1 2237 3	**2-Chloro-5-nitroaniline** PROSYNTH® *2-Chloro-5-nitroaniline / 2-Cloro-5-nitroanilina* $ClC_6H_3(NO_2)NH_2$ $C_6H_5ClN_2O_2$ *M* = 172,57 g/mol R: 26/27/28-33 S: 28-36/37-45 disposal: 20	WG. *2922*	25 g	36,75	31,25	29,40	27,55
64227 A 6.1/21E C 6.1 2237 3	**4-Chloro-3-nitroaniline** PROSYNTH® *4-Chloro-3-nitroaniline / 4-Cloro-3-nitroanilina* $NO_2C_6H_3ClNH_2$ $C_6H_5ClN_2O_2$ *M* = 172,57 g/mol assay (HPLC) ..... 95% melting range ..... 99–102 °C R: 26/27/28-33 S: 28-36/37-45 disposal: 20	WG. *2922*	100 g	17,50	14,90	14,–	13,15
63323	**2-Chloro-5-nitroanisole** PROSYNTH® *2-Chloro-5-nitroanisole / 2-Cloro-5-nitroanisol* $ClC_6H_3(NO_2)OCH_3$ $C_7H_6ClNO_3$ *M* = 187,58 g/mol assay (GC) ..... 99% melting range ..... 81–83 °C	WG. *2908*	10 g	40,25	34,20	32,20	30,20

FIXANAL® preparations for standard solutions

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63317	**4-Chloro-3-nitroanisole** PROSYNTH® *4-Chloro-3-nitroanisole / 4-Cloro-3-nitroanisol* $CH_3OC_6H_3ClNO_2$ $C_7H_6ClNO_3$ *M* = 187,58 g/mol assay (GC) ..... 98 % melting range ..... 43 – 45 °C	WG. *2908*	10 g	11,–	9,35	8,80	8,3
15317 A 6.1/21K C 6.1 1578 2	**2-Chloronitrobenzene** technical *2-Chloronitrobenzène / 2-Cloronitrobenceno* $ClC_6H_4NO_2$ $C_6H_4ClNO_2$ *M* = 157,56 g/mol assay (GC) ..... 99 % congealing point ..... 31,5 °C boiling range ..... 243 – 245 °C R: 23/24/25-33 S: 28-37-44 disposal: 20	FL. *2903*	1 kg	25,25	21,45	20,20	19,4
62325 A 6.1/21K C 6.1 1578 2	**4-Chloronitrobenzene** PROSYNTH® *4-Chloronitrobenzène / 4-Cloronitrobenceno* $C_6H_4ClNO_2$ *M* = 157,56 g/mol assay (GC) ..... 99 % melting range ..... 82 – 84 °C R: 23/24/25-33 S: 28-37-44 disposal: 20	WG. *2903*	1 kg	47,–	39,95	37,60	36,2
64316 A 6.1/21K C 6.1 1578 2	**3-Chloronitrobenzene** PROSYNTH® *1-Chloro-3-nitrobenzène / 1-Cloro-3-nitrobenceno* $C_6H_4ClNO_2$ *M* = 157,56 g/mol assay (GC) ..... 98 % melting range ..... 43 – 46 °C R: 23/24/25-33 S: 28-37-44 disposal: 20	WG. *2903*	100 g	17,–	14,45	13,60	12,7
64417 A 6.1/21K C 6.1 2811 2	**2-Chloro-4-nitrobenzoic acid** PROSYNTH® *Acide chloro-2-nitro-4-benzoïque / Acido 2-cloro-4-nitrobenzóico* $NO_2C_6H_3ClCOOH$ $C_7H_4ClNO_4$ *M* = 201,57 g/mol assay (alkalimetric) ..... 98 % melting range ..... 138 – 140 °C	PF. *2914*	250 g	32,75	27,85	26,20	24,5
63122 A 6.1/21 C 6.1 2811 2	**2-Chloro-5-nitrobenzoic acid** PROSYNTH® *Acide 2-chloro-5-nitrobenzoïque / Acido 2-cloro-5-nitrobenzóico* $ClC_6H_3(NO_2)COOH$ $C_7H_4ClNO_4$ *M* = 201,57 g/mol assay (alkalimetric) ..... 99 % melting range ..... 163 – 165 °C	WG. *2914*	100 g	19,25	16,35	15,40	14,4
64226 A 6.1/21K C 6.1 2811 2	**4-Chloro-2-nitrobenzoic acid** PROSYNTH® *Acide 4-chloro-2-nitrobenzoïque / Acido 4-cloro-2-nitrobenzóico* $NO_2C_6H_3ClCOOH$ $C_7H_4ClNO_4$ *M* = 201,57 g/mol assay (alkalimetric) ..... 98 % melting range ..... 141 – 143 °C	WG. *2914*	50 g	32,75	27,85	26,20	24,5

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2324 6.1/21 6.1 2811 2	**4-Chloro-3-nitrobenzoic acid** PROSYNTH® *Acide 4-chloro-3-nitrobenzoïque / Acido 4-cloro-3-nitrobenzóico* $NO_2C_6H_3ClCOOH$ $C_7H_4ClNO_4$ *M* = 201,57 g/mol assay (alkalimetric) ..... 99% melting range ..... 180–182 °C	PF. *2914*	100 g	13,75	11,70	11,–	10,30
1081 6.1/21K 6.1 2810 2	**4-Chloro-3-nitrobenzotrifluoride** PROSYNTH® *4-Chloro-3-nitrobenzotrifluorure / 4-Cloro-3-nitrobenzotrifluoruro* $C_6H_3(CF_3)(NO_2)Cl$ $C_7H_3ClF_3NO_2$ *M* = 225,55 g/mol 1 L ≈ 1,54 kg assay (GC) ..... 99% boiling range (at 13 mbar) ..... 93–95 °C refractive index (n_D^{20}) ..... 1,489 R: 20/21/22 S: 28 disposal: 11	FL. *2903*	100 ml	60,50	51,45	48,40	45,40
61082 A 6.1/21K C 6.1 2810 2	**5-Chloro-2-nitrobenzotrifluoride** PROSYNTH® *5-Chloro-2-nitrobenzotrifluorure / 5-Cloro-2-nitrobenzotrifluoruro* $C_6H_3(CF_3)(NO_2)Cl$ $C_7H_3ClF_3NO_2$ *M* = 225,55 g/mol 1 L ≈ 1,54 kg assay (GC) ..... 98% boiling range ..... 222–224 °C refractive index (n_D^{20}) ..... 1,500 R: 20/21/22 S: 28 disposal: 11	FL. *2903*	100 ml	164,–	139,40	131,20	123,–
65160 A 6.1/62 C 6.1 1693 3	**2-Chloro-6-nitrobenzyl bromide** PROSYNTH® *2-Chloro-6-nitrobenzyle bromure / 2-Cloro-6-nitrobencilo bromuro* $Cl(NO_2)C_6H_3CH_2Br$ $C_7H_5BrClNO_2$ *M* = 250,48 g/mol assay (HPCL) ..... 99% melting range ..... 48–50 °C R: 23/24/25 S: 44 disposal: 20	WG. *2903*	100 g	121,–	102,85	96,80	90,75
64340	**4-Chloro-2-nitrodiphenylamine** PROSYNTH® *4-Chloro-2-nitrodiphénylamine / 4-Cloro-2-nitrodifenilamina* $C_6H_5NHC_6H_3(NO_2)Cl$ $C_{12}H_9ClN_2O_2$ *M* = 248,67 g/mol	WG. *2903*	100 g	price on request			
	4-Chloro-3-nitro-1-methoxybenzene see 4-Chloro-3-nitroanisole						
	Chloronitromethylbenzene see Chloronitrotoluene						
60104 A 6.1/21K C 6.1 1663 3	**2-Chloro-4-nitrophenol** with about 20% H_2O PROSYNTH® *2-Chloro-4-nitrophénol / 2-Cloro-4-nitrofenol* $C_6H_3(OH)(NO_2)Cl$ $C_6H_4ClNO_3$ *M* = 173,56 g/mol assay (on dry substance) (HPLC) ..... 98% R: 23/24/25 S: 44 disposal: 20	PF. *2907*	500 g	58,–	49,30	46,40	44,65

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60105 A 6.1/21K C 6.1 1663 3	**4-Chloro-2-nitrophenol** with about 20% H_2O PROSYNTH® *4-Chloro-2-nitrophénol / 4-Cloro-2-nitrofenol* $C_6H_3(OH)(NO_2)Cl$ $C_6H_4ClNO_3$ M = 173,56 g/mol assay (on dry substance) (HPLC) ..... 98% R: 23/24/25 S: 44 disposal: 20	PF. *2907*	500 g	39,25	33,35	31,40	30,
62326 A 6.1/21E C 6.1 2811 2	**2-Chloro-3-nitropyridine** PROSYNTH® *2-Chloro-3-nitropyridine / 2-Cloro-3-nitropiridina* $N=CClC(NO_2)=CHCH=CH$ $C_5H_3ClN_2O_2$ M = 158,54 g/mol assay (GC) ..... 98% melting range ..... 100—102 °C	WG. *2935*	10 g	46,50	39,55	37,20	34,
62328 A 6.1/21K C 6.1 2811 3	**2-Chloro-4-nitrotoluene** PROSYNTH® *2-Chloro-4-nitrotoluène / 2-Cloro-4-nitrotolueno* $NO_2C_6H_3ClCH_3$ $C_7H_6ClNO_2$ M = 171,58 g/mol assay (GC) ..... 97% melting range ..... 63—65 °C R: 23/24/25-33 S: 28-37-44 disposal: 20	WG. *2903*	100 g	32,25	27,40	25,80	24,
63111 A 6.1/21K C 6.1 2433 3	**4-Chloro-2-nitrotoluene** PROSYNTH® *4-Chloro-2-nitrotoluène / 4-Cloro-2-nitrotolueno* $NO_2C_6H_3ClCH_3$ $C_7H_6ClNO_2$ M = 171,58 g/mol assay (GC) ..... 97% melting range ..... 37—39 °C R: 23/24/25-33 S: 28-37-44 disposal: 20	WG. *2903*	250 g	35,—	29,75	28,—	26,
62333 A 6.1/21L C 6.1 2810 3	**5-Chloro-2-nitrotoluene** PROSYNTH® *5-Chloro-2-nitrotoluène / 5-Cloro-2-nitrotolueno* $NO_2C_6H_3ClCH_3$ $C_7H_6ClNO_2$ M = 171,58 g/mol **1 L ≈ 1,32 kg** assay (GC) ..... 98% melting range ..... 23—25 °C R: 23/24/25-33 S: 28-37-44 disposal: 20	FL. *2903*	25 ml	114,50	97,35	91,60	85,9
63118 A 6.1/21K C 6.1 2810 2	**6-Chloro-2-nitrotoluene** PROSYNTH® *6-Chloro-2-nitrotoluène / 6-Cloro-2-nitrotolueno* $NO_2C_6H_3ClCH_3$ $C_7H_6ClNO_2$ M = 171,58 g/mol assay (GC) ..... 99% melting range ..... 35—37 °C R: 23/24/25-33 S: 28-37-44 disposal: 20	FL. *2903*	250 ml	30,75	26,15	24,60	23,0
64418 C 6.1 2810 3	**1-Chlorooctadecane** PROSYNTH® *Chloro-1-octadécane / 1-Clorooctadecano* $CH_3(CH_2)_{17}Cl$ $C_{18}H_{37}Cl$ M = 288,94 g/mol **1 L ≈ 0,85 kg** assay (GC) ..... 95% melting range ..... 18—20 °C	FL. *2902*	250 ml	69,—	58,65	55,20	51,75

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154 3/4 63 °C	**1-Chlorooctane** PROSYNTH® *Chlorooctane-1 / 1-Clorooctano* $CH_3(CH_2)_7Cl$ $C_8H_{17}Cl$ $M = 148{,}68$ g/mol **1 L ≈ 0,87 kg** assay (GC) ..... 96% boiling range ..... 180—182 °C refractive index (n_D^{20}) 1,430	FL. FL. *2902*	100 ml 2,5 L	7,25 87,50	6,15 72,65	5,80 68,25	5,45 65,65
	2-Chloro-1-oxocyclohexane see 2-Chlorocyclohexanone						
	2-Chloro-α-oxotoluene see 2-Chlorobenzaldehyde						
	3-Chloro-α-oxotoluene see 3-Chlorobenzaldehyde						
	4-Chloro-α-oxotoluene see 4-Chlorobenzaldehyde						
5841	**Chlorooxuron** min. 99% PESTANAL® (3-[4-(4-Chlorophenoxy)-phenyl]-1,1-dimethylurea) $ClC_6H_4OC_6H_4NHC(O)N(CH_3)_2$ $C_{15}H_{15}ClN_2O_2$ $M = 290{,}75$ g/mol	FL. *2925*	1 g	28,25	24,—	22,60	21,20
1476 6.1/61K 8 1760 2	**Chloropentafluorobenzene** PROSYNTH® *Chloropentafluorobenzène / Cloropentafluorobenceno* C_6ClF_5 $M = 202{,}51$ g/mol **1 L ≈ 1,64 kg** assay (GC) ..... 97% boiling range (at 1000 mbar) ..... 121—123 °C refractive index (n_D^{20}) 1,424	FL. *2902*	5 ml	27,25	23,15	21,80	20,45
64420 A 3/1A C 3.2 1993 +12 °C	**1-Chloropentane** PROSYNTH® *1-Chloropentane / 1-Cloropentano* $CH_3(CH_2)_4Cl$ $C_5H_{11}Cl$ $M = 106{,}59$ g/mol **1 L ≈ 0,88 kg** assay (GC) ..... 99% boiling range ..... 106—108 °C refractive index (n_D^{20}) ..... 1,413 R: 11-20/21/22 S: 9-29 disposal: 7	FL. *2902*	100 ml	39,25	33,35	31,40	29,45
62335 A 5.2/40	**3-Chloroperbenzoic acid** PROSYNTH® *Acide 3-chloroperbenzoïque / Acido 3-cloroperbenzóico* ClC_6H_4COOOH $C_7H_5ClO_3$ $M = 172{,}57$ g/mol assay (iodometric) ..... 70% assay of 3-chlorobenzoic acid 30%	WG. *2914*	10 g	15,50	13,20	12,40	11,65
60107 A 6.1/13C C 6.1 2021 3	**2-Chlorophenol** PROSYNTH® *2-Chlorophénol / 2-Clorofenol* ClC_6H_4OH C_6H_5ClO $M = 128{,}56$ g/mol **1 L ≈ 1,26 kg** assay (GC) ..... 99% boiling range ..... 173—175 °C refractive index (n_D^{20}) ..... 1,560 R: 20/21/22 S: 2-28 disposal: 7	FL. *2907*	500 ml	30,75	26,15	24,60	23,70

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62336 A 6.1/13C C 6.1 2020 3	**3-Chlorophenol** PROSYNTH® *3-Chlorophénol / 3-Clorofenol* ClC_6H_4OH C_6H_5ClO $M = 128{,}56$ g/mol assay (GC) ..... 98% melting range ..... 32–34 °C R: 20/21/22 S: 2-28 disposal: 7	FL. *2907*	100 g	56,–	47,60	44,80	42,
35826 A 6.1/13C C 6.1 2020 3	**4-Chlorophenol** min. 99% PESTANAL® *4-Chlorophénol / 4-Clorofenol* HOC_6H_4Cl C_6H_5ClO $M = 128{,}56$ g/mol R: 20/21/22 S: 2-28 disposal: 7	FL. *2907*	5 g	19,50	16,60	15,60	14,
60108 A 6.1/13C C 6.1 2020 3	**4-Chlorophenol** PROSYNTH® *4-Chlorophénol / 4-Clorofenol* ClC_6H_4OH C_6H_5ClO $M = 128{,}56$ g/mol assay (GC) ..... 98% melting range ..... 41–43 °C R: 20/21/22 S: 2-28 disposal: 7	WG. *2907*	500 g	18,75	15,95	15,–	14,4
32644	**Chlorophenol red** indicator *Rouge de chlorophénol / Rojo de clorofenol* $C_{19}H_{12}Cl_2O_5S$ $M = 423{,}27$ g/mol	FL. *2937*	1 g	8,75	7,45	7,–	6,5
64445 A 6.1/21 C 6.1 1615 3	**2-Chlorophenothiazine** PROSYNTH® *2-Chlorothiodiphénylamine / 2-Clorotiodifenilamina* $C_6H_4SC_6H_3ClNH$ $C_{12}H_8ClNS$ $M = 233{,}72$ g/mol assay (ex Cl) ..... 97% melting range ..... 195–200 °C (disint.)	WG. *2931*	25 g	39,25	33,35	31,40	29,4
63293	**4-Chlorophenoxyacetic acid** PROSYNTH® *Acide 4-chlorophénoxyacétique / Acido 4-clorofenoxiacético* $ClC_6H_4OCH_2COOH$ $C_8H_7ClO_3$ $M = 186{,}59$ g/mol assay (alkalimetric) ..... 98% melting range ..... 157–159 °C R: 20/21/22 S: 2-13 disposal: 21	WG. *2916*	250 g	27,25	23,15	21,80	20,4
35876	**Chlorophenprop-methyl** min. 99% PESTANAL® (3-[4-Chlorophenyl]-2-chloropropionic acid methyl ester) $CH=CHCCl=CHCH=CCH_2CHClCOOCH_3$ $C_{10}H_{10}Cl_2O_2$ $M = 233{,}09$ g/mol R: 20/22 S: 2-13 disposal: 7	FL. *2914*	2 g	56,50	48,05	45,20	42,4

refer explanations

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*220	**2-Chlorophenylacetic acid** PROSYNTH® *Acide 2-chlorophénylacétique / Acido 2-clorofenilacético* $ClC_6H_4CH_2COOH$ $C_8H_7ClO_2$ $M = 170{,}60$ g/mol assay (alkalimetric) ..... 98% melting range ..... 93–95 °C	WG. *2914*	10 g	31,75	27,–	25,40	23,80
2338	**3-Chlorophenylacetic acid** PROSYNTH® *Acide 3-chlorophénylacétique / Acido 3-clorofenilacético* $ClC_6H_4CH_2COOH$ $C_8H_7ClO_2$ $M = 170{,}60$ g/mol assay (alkalimetric) ..... 99% melting range ..... 77–78 °C	WG. *2914*	10 g	40,75	34,65	32,60	30,55
4437 6.1/61 6.1 2811 3	**4-Chlorophenylacetic acid** PROSYNTH® *Acide 4-chlorophénylacétique / Acido 4-clorofenilacético* $ClC_6H_4CH_2COOH$ $C_8H_7ClO_2$ $M = 170{,}60$ g/mol assay (alkalimetric) ..... 98% melting range ..... 102–105 °C	WG. *2914*	10 g	13,25	11,25	10,60	9,95
4421 8/22 8 1760 2 -59 °C	**α-Chlorophenylacetyl chloride** PROSYNTH® *α-Chlorophénylacétyle chlorure / α-Clorofenilacetilo cloruro* $C_6H_5CHClCOCl$ $C_8H_6Cl_2O$ $M = 189{,}04$ g/mol 1 L ≈ 1,30 kg assay ..... 97% boiling range (at 32 mbar) ..... 116–118 °C refractive index (n_D^{20}) ..... 1,546 R: 34 S: 26 disposal: 21	FL. *2914*	50 ml	35,–	29,75	28,–	26,25
	2-Chloro-(3-phenylacrylic acid) see 2-Chlorocinnamic acid						
	4-Chloro-(3-phenylacrylic acid) see 4-Chlorocinnamic acid						
	Chlorophenyl-(4-chlorophenyl)-methane see 4-Chlorobenzhydryl chloride						
64423 A 6.1/21 C B 6.1/25 B C 6.1 2206 2	**3-Chlorophenyl *iso*-cyanate** PROSYNTH® *Chloro-3-phényl iso-cyanate / 3-Clorofenilo iso-cianato* ClC_6H_4NCO C_7H_4ClNO $M = 153{,}57$ g/mol 1 L ≈ 1,27 kg assay (GC) ..... 98% boiling range (at 13 mbar) ..... 78–80 °C refractive index (n_D^{20}) 1,559	FL. *2930*	250 ml	29,75	25,30	23,80	22,30
62337 A 6.1/25 C C 6.1 2810 2	**4-Chlorophenyl *iso*-cyanate** PROSYNTH® *Chloro-4-phényl iso-cyanate / 4-Clorofenil iso-cianato* ClC_6H_4NCO C_7H_4ClNO $M = 153{,}57$ g/mol assay (GC) ..... 98% melting range ..... 26–29 °C R: 23/24/25 S: 44 disposal: 7	FL. *2930*	100 g	11,–	9,35	8,80	8,25

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	4-Chloro-o-phenylenediamine see 4-Chloro-1,2-diaminobenzene						
64422	**2-Chloro-1,4-phenylenediammonium sulphate** PROSYNTH® *Chloro-2-1-4-phénylènediamine sulfate / 2-Cloro-1,4-fenilendiamonio sulfato* $ClC_6H_3(NH_2)_2 \cdot H_2SO_4$ $C_6H_9ClN_2O_4S$ $M = 240{,}67$ g/mol assay (alkalimetric) ..... 95% melting range ..... 255–257 °C	WG. *2922*	250 g	61,50	52,30	49,20	46
64900	**2-Chlorophenylhydrazinium chloride** PROSYNTH® *2-Chlorophénylhydrazinium chlorure / 2-Clorofenilhidracinio cloruro* $ClC_6H_4NHNH_2 \cdot HCl$ $C_6H_8Cl_2N_2$ $M = 179{,}05$ g/mol assay (ex Cl) 97%	WG. *2929*	10 g	34,50	29,35	27,60	25
64917	**3-Chlorophenylhydrazinium chloride** PROSYNTH® *3-Chlorophénylhydrazinium chlorure / 3-Clorofenilhidracinio cloruro* $ClC_6H_4NHNH_2 \cdot HCl$ $C_6H_8Cl_2N_2$ $M = 179{,}05$ g/mol assay (ex Cl) ..... 97% melting range ..... 226–229 °C (disint.)	WG. *2929*	25 g	27,25	23,15	21,80	20,
64893	**4-Chlorophenylhydrazinium chloride** PROSYNTH® *4-Chlorophénylhydrazinium chlorure / 4-Clorofenilhidracinio cloruro* $ClC_6H_4NHNH_2 \cdot HCl$ $C_6H_8Cl_2N_2$ $M = 179{,}05$ g/mol assay (ex Cl) ..... 98% melting range ..... 223–225 °C (disint.)	WG. *2929*	10 g	28,50	24,25	22,80	21,
64548	**4-Chloro-2-phenylquinazoline** PROSYNTH® *Chloro-4-phényl-2-quinazoline / 4-Cloro-2-fenilquinazolina* $C_{14}H_9ClN_2$ $M = 240{,}69$ g/mol assay (ex Cl) ..... 97% melting range ..... 124–126 °C	WG. *2935*	10 g	64,50	54,85	51,60	48,
64438 A 6.1/25 C C 6.1 2811 2	**4-Chlorophenyl** *iso*-**thiocyanate** PROSYNTH® *Chloro-4-phényl iso-thiocyanate / 4-Clorofenil iso-tiocianato* ClC_6H_4NCS C_7H_4ClNS $M = 169{,}63$ g/mol assay (ex Cl) ..... 98% melting range ..... 45–47 °C R: 23/24/25 S: 44 disposal: 7	WG. *2931*	10 g	40,50	34,45	32,40	30,
	Chlorophosphorous acid diethyl ester see Diethyl chlorophosphite						

refer explanations

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5206 8 *2214 3	**4-Chlorophthalic anhydride** PROSYNTH® *Anhydride 4-chlorophtalique / Anhidrido 4-cloroftálico* ClC_6H_3COOCO $C_8H_3ClO_3$ *M* = 182,56 g/mol boiling range (at 4 mbar) ..... 126–127 °C melting range ..... 90–94 °C	WG. *2915*	50 g	price on request			
	Chloroplatinic acid see Hexachloroplatinum(IV) acid						
10854 A 3/1A C 3.1 1278 2 18 °C	**1-Chloropropane** min. 99,9% for gas chromatography *Chloro-1-propane / 1-Cloropropano* $CH_3CH_2CH_2Cl$ C_3H_7Cl *M* = 78,54 g/mol **1 L ≈ 0,89 kg** R: 11-20/21/22 S: 9-29 disposal: 7	FL. *2902*	5 ml	49,25	41,85	39,40	36,95
64425 A 3/1A C 3.1 1278 2 18 °C	**1-Chloropropane** PROSYNTH® *Chloro-1-propane / 1-Cloropropano* $CH_3CH_2CH_2Cl$ C_3H_7Cl *M* = 78,54 g/mol **1 L ≈ 0,89 kg** assay (GC) ..... 98% boiling range ..... 45–47 °C refractive index (n_D^{20}) ..... 1,389 R: 11-20/21/22 S: 9-29 disposal: 7	FL. FL. *2902*	250 ml 1 L	44,75 149,50	38,05 127,10	35,80 119,60	33,55 115,10
30855 A 3/1A C 3.1 1278 2 -35 °C	**2-Chloropropane** min. 99,9% for gas chromatography *Chloro-2-propane / 2-Cloropropano* $CH_3CHClCH_3$ C_3H_7Cl *M* = 78,54 g/mol **1 L ≈ 0,87 kg** R: 11-20/21/22 S: 9-29 disposal: 7	FL. *2902*	5 ml	48,75	41,45	39,—	36,55
60109	**3-Chloro-1,2-propanediol** PROSYNTH® (glycerol α-monochlorohydrin) *Chloro-3-propanediol-1-2 / 3-Cloro-1,2-propanodiol* $CH_2ClCHOHCH_2OH$ $C_3H_7ClO_2$ *M* = 110,54 g/mol **1 L ≈ 1,31 kg** assay ..... 98% boiling range (at 15 mbar) ..... 114–116 °C refractive index (n_D^{20}) 1,480	FL. *2904*	1 L	60,—	51,—	48,—	46,20
62341 A 6.1/12 B C 6.1 2810 2	**3-Chloro-1-propanol** PROSYNTH® *Chloro-3-propanol-1 / 3-Cloro-1-propanol* $Cl(CH_2)_3OH$ C_3H_7ClO *M* = 94,54 g/mol **1 L ≈ 1,13 kg** assay (GC) ..... 98% boiling range (at 19 mbar) ..... 64–66 °C refractive index (n_D^{20}) 1,446	FL. *2904*	100 ml	35,75	30,40	28,60	26,80
62342 A 6.1/61 B C 6.1 2810 2	**1-Chloropropanone** PROSYNTH® stabilized with calcium carbonate *Chloro-1-propanone / 1-Cloropropanona* $ClCH_2COCH_3$ C_3H_5ClO *M* = 92,52 g/mol **1 L ≈ 1,16 kg** assay (GC) ..... 96% boiling range ..... 119–121 °C refractive index (n_D^{20}) ..... 1,433 keep in refrigerator à stocker dans le frigidaire almacemaje en la nevera R: 36/37/38 S: 26 disposal: 7	FL. *2913*	1 L	89,50	76,10	71,60	68,90

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	3-Chloropropene see Allyl chloride						
63320 A 3/1A C 3.2 1993 2 +-0 °C	**1-Chloropropene-(1)** PROSYNTH® mixture of *cis*- and *trans*-isomers *Chloro-1-propène-(1) / 1-Cloropropeno-(1)* $CH_3CH=CHCl$ C_3H_5Cl M = 76,53 g/mol **1 L ≈ 0,91 kg** assay (GC) ..... 95 % boiling range ..... 35–38 °C keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 11-25 S: 16-29-33-44 disposal: 7	FL. *2902*	50 ml	69,–	58,65	55,20	51,
63321 A 3/1A C 3.1 2456 1 -20 °C	**2-Chloropropene-(1)** PROSYNTH® *Chloro-2-propène-(1) / 2-Cloropropeno-(1)* $CH_3CCl=CH_2$ C_3H_5Cl M = 76,53 g/mol **1 L ≈ 0,91 kg** assay (GC) ..... 97 % boiling range ..... 23–26 °C refractive index (n_D^{20}) ..... 1,397 keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 11-25 S: 16-29-33-44 disposal: 7	FL. *2902*	50 ml	237,–	201,45	189,60	177,
	4-Chloro-1-*iso*-propenylbenzene see 4-Chloro-α-methylstyrene						
35791	**Chloropropham** min. 99% PESTANAL® (Isopropyl-m-chlorocarbanilate) $ClC_6H_4NHCOOCH(CH_3)_2$ $C_{10}H_{12}ClNO_2$ M = 213,66 g/mol	FL. *2921*	1 g	28,25	24,–	22,60	21,
15388 A 8/21A2 C 8 1759 2	**2-Chloropropionic acid** *Acide 2-chloropropionique / Acido 2-cloropropiónico* $CH_3CHClCOOH$ $C_3H_5ClO_2$ M = 108,52 g/mol **1 L ≈ 1,27 kg** assay ..... 95–97 % propionic acid ..... 0,5–1,0 % 2,2-dichloro-propionic acid ..... 2–3 % R: 34 S: 26 disposal: 21	FL. *2914*	1 L	38,25	32,50	30,60	29,4
62344 A 8/21D C 8 2511 3	**3-Chloropropionic acid** PROSYNTH® *Acide 3-chloropropionique / Acido 3-cloropropiónico* $ClCH_2CH_2COOH$ $C_3H_5ClO_2$ M = 108,52 g/mol **1 L ≈ 1,17 kg** assay (GC) ..... 99 % melting range ..... 37–39 °C R: 34 S: 26 disposal: 21	FL. *2914*	250 g	30,75	26,15	24,60	23,0
	3-Chloropropionic acid chloride see 3-Chloropropionyl chloride						
	3-Chloropropionic acid ethyl ester see Ethyl 3-chloropropionate						

refer explanations

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2343 6.1/11 A 6.1 1935 1	**3-Chloropropionitrile** PROSYNTH® *Chloro-3-propionitrile / 3-Cloropropionitrilo* $ClCH_2CH_2CN$ C_3H_4ClN $M = 89{,}52$ g/mol **1 L ≈ 1,14 kg** assay (GC) ..... 98% boiling range ..... 174–176 °C refractive index (n_D^{20}) ..... 1,438 R: 23/24/25 S: 44 disposal: 15	FL. *2927*	100 ml	24,–	20,40	19,20	18,–
4429 8/22 8 1760 2	**2-Chloropropionyl chloride** PROSYNTH® *Chloro-2-propionyle chlorure / 2-Cloropropionilo cloruro* $CH_3CHClCOCl$ $C_3H_4Cl_2O$ $M = 126{,}97$ g/mol **1 L ≈ 1,28 kg** assay ..... 98% boiling range ..... 110–113 °C refractive index (n_D^{20}) ..... 1,439 R: 34 S: 26 disposal: 21	FL. *2914*	100 ml	41,50	35,30	33,20	31,15
2347 8/22 8 1760 2	**3-Chloropropionyl chloride** PROSYNTH® *Chloro-3-propionyle chlorure / 3-Cloropropionilo cloruro* $ClCH_2CH_2COCl$ $C_3H_4Cl_2O$ $M = 126{,}97$ g/mol **1 L ≈ 1,32 kg** assay ..... 98% boiling range ..... 143–145 °C refractive index (n_D^{20}) ..... 1,457 R: 34 S: 26 disposal: 21	FL. *2914*	250 ml	30,–	25,50	24,–	22,50
4352	**3-Chloropropylamine hydrochloride** PROSYNTH® *Chloro-3-propylamine chlorhydrate / 3-Cloropropilamina clorhidrato* $ClCH_2CH_2CH_2NH_2 \cdot HCl$ $C_3H_9Cl_2N$ $M = 130{,}02$ g/mol assay ..... 97% melting range ..... 148–150 °C	WG. *2922*	50 g	24,–	20,40	19,20	18,–
4431	**N-(2-Chloropropyl)-N,N-dimethylammonium chloride** PROSYNTH® *N-(Chloro-2-propyl)-N-N-diméthylammonium chlorure / N-(2-Cloropropil)-N,N-dimetilamonio cloruro* $CH_3CHClCH_2N(CH_3)_2 \cdot HCl$ $C_5H_{13}Cl_2N$ $M = 158{,}07$ g/mol assay ..... 97% melting range ..... 187–190 °C	PF. *2924*	250 g	51,50	43,80	41,20	38,65
4432	**1-(3-Chloropropyl)-piperidinium chloride** PROSYNTH® *(Cloro-1-3-propyl)-pipéridinium chlorure / 1-(3-cloropropil)-piperidinio cloruro* $CH_2(CH_2)_4N(CH_2)_3Cl \cdot HCl$ $C_8H_{17}Cl_2N$ $M = 198{,}14$ g/mol assay ..... 99% melting range ..... 218–220 °C	WG. *2935*	100 g	70,–	59,50	56,–	52,50
39319	**6-Chloropurine** BIOSYNTH® *Chloro-6-purine / 6-Cloropurina* $C_5H_3ClN_4$ $M = 154{,}56$ g/mol	FL. *2935*	1 g	53,50	45,50	42,80	40,15
62350 A 6.1/61 C 6.1 2810 3	**2-Chloropyridine** PROSYNTH® *Chloro-2-pyridine / 2-Cloropiridina* $N=CClCH=CHCH=CH$ C_5H_4ClN $M = 113{,}55$ g/mol **1 L ≈ 1,21 kg** assay (GC) ..... 98% boiling range ..... 168–170 °C refractive index (n_D^{20}) 1,532	FL. *2935*	100 ml	42,–	35,70	33,60	31,50

PANPEHA® universal indicator paper in strips

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64433 A 6.1/61 C 6.1 2810 3	**3-Chloropyridine** PROSYNTH® *Chloro-3-pyridine / 3-Cloropiridina* N=CHCCl=CHCH=CH C_5H_4ClN *M* = 113,55 g/mol **1 L ≈ 1,21 kg** assay (GC) ..... 98% boiling range ..... 148–150 °C refractive index (n_D^{20}) 1,531	WG. *2935*	25 g	89,50	76,10	71,60	67
64919 A 6.1/61 C 6.1 2811 3	**4-Chloropyridine-N-oxide** PROSYNTH® *Chloro-4-pyridine-N-oxyde / 4-Cloropiridinio-N-óxido* ON=CHCH=CClCH=CH C_5H_4ClNO *M* = 129,55 g/mol assay (ex Cl) ..... 98% melting range ..... 163–165 °C	WG. *2935*	5 g	65,50	55,70	52,40	49
62351	**4-Chloropyridinium chloride** PROSYNTH® *Chloro-4-pyridine chlorure / 4-Cloropiridina clorhidrato* N=CHCH=CClCH=CH · HCl $C_5H_5Cl_2N$ *M* = 150,01 $E_{3/4}$ XX, 2499 g/mol assay ..... 98% melting range ..... 222–224 °C (disint.)	WG. *2935*	10 g	34,–	28,90	27,20	25
64402	**2-Chloroquinoline** PROSYNTH® *Chloro-2-quinoléine / 2-Cloroquinoleína* $C_6H_4CH=CHCCl=N$ C_9H_6ClN *M* = 163,61 g/mol assay (ex Cl) ..... 97% melting range ..... 34–36 °C	WG. *2935*	25 g	19,25	16,35	15,40	14
60111	**4-Chlororesorcinol** PROSYNTH® *4-Chlororésorcinol / 4-Clororesorcina* $C_6H_3(OH)_2Cl$ $C_6H_5ClO_2$ *M* = 144,56 g/mol assay (HPLC) ..... 98% melting range ..... 106–108 °C	WG. WG. *2907*	250 g 1 kg	84,– 281,–	71,40 238,85	67,20 224,80	63 216
63302 A 3/4	**2-Chlorostyrene** PROSYNTH® stabilized with 4-*tert.*-butylpyrocatechol (1 g/l) *2-Chlorostyrène / 2-Cloroestireno* $H_2C=CHC_6H_4Cl$ C_8H_7Cl *M* = 138,60 g/mol **1 L ≈ 1,11 kg** assay (GC) ..... 98% boiling range (at 9 mbar) ..... 58–60 °C refractive index (n_D^{20}) 1,565	FL. *2902*	10 ml	69,–	58,65	55,20	51
63316 A 3/4	**3-Chlorostyrene** PROSYNTH® stabilized with 4-*tert.*-butylpyrocatechol (1 g/l) *3-Chlorostyrène / 3-Cloroestireno* $H_2C=CHC_6H_4Cl$ C_8H_7Cl *M* = 138,60 g/mol **1 L ≈ 1,09 kg** assay (GC) ..... 96% boiling range (at 8 mbar) ..... 60–62 °C refractive index (n_D^{20}) 1,562	FL. *2902*	10 ml	77,50	65,90	62,–	58,
62352 A 3/4 +68 °C	**4-Chlorostyrene** PROSYNTH® stabilized with 4-*tert.*-butylpyrocatechol (1 g/l) *4-Chlorostyrène / 4-Cloroestireno* $ClC_6H_4CH=CH_2$ C_8H_7Cl *M* = 138,60 g/mol **1 L ≈ 1,08 kg** assay (GC) ..... 96% boiling range ..... 190–192 °C refractive index (n_D^{20}) ..... 1,565 keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	FL. *2902*	10 ml	47,–	39,95	37,60	35,

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60112	**N-Chlorosuccinimide** PROSYNTH® stabilized *N-Chlorosuccinimide / N-Clorosuccinimida* $COCH_2CH_2CONCl$ $C_4H_4ClNO_2$ $M = 133{,}53$ g/mol assay (iodometric) ..... 98% melting range ..... 146–149 °C	WG. WG. FTP. *2926*	250 g 1 kg 25 kg	36,– 120,– price on request	30,60 102,–	28,80 96,–	27,– 92,40
	Chlorosulphonic acid see Chlorosulphuric acid						
64372 A 6.1/25 C 6.1 2206 2	**Chlorosulphonyl** *iso*-**cyanate** PROSYNTH® *Chlorosulfonyle iso-cyanate / Clorosulfonilo iso-cianato* $ClSO_2NCO$ $CClNO_3S$ $M = 141{,}53$ g/mol **1 L ≈ 1,63 kg** assay (ex Cl) ..... 98% boiling range ..... 106–108 °C refractive index (n_D^{20}) ..... 1,447 R: 23/24/25 S: 44 disposal: 10	FL. *2930*	100 ml	111,50	94,80	89,20	83,65
07403 A 8/11 C 8 1754 1	**Chlorosulphuric acid** (chlorosulphonic acid) pure *Acide chlorosulfurique / Acido clorosulfúrico* $SO_2(OH)Cl$ $M = 116{,}52$ g/mol **1 L ≈ 1,75 kg** assay ..... 99% R: 14-35-37 S: 26 disposal: 11	FL. TS. *2806*	1 L 40 kg	29,– price on request	24,65	23,20	22,35
35899	**Chlorothalmethyl** min. 99% PESTANAL® (Dimethyl tetrachloroterephthalate) $CH_3OOCC{=}CClCCl{=}C(COOCH_3)CCl{=}CCl$ $C_{10}H_6Cl_4O_4$ $M = 331{,}97$ g/mol	FL. *2915*	1 g	32,–	27,20	25,60	24,–
35707	**Chlorothiamide** min. 99% PESTANAL® (2,6-Dichlorothiobenzamide) $Cl_2C_6H_3CSNH_2$ $C_7H_5Cl_2NS$ $M = 206{,}09$ g/mol R: 20/21/22 S: 2-13 disposal: 7	FL. *2931*	1 g	28,25	24,–	22,60	21,20
62353 A 3/3 C 3.3 1993 2 +43 °C	**2-Chlorothiophene** PROSYNTH® *2-Chlorothiophène / 2-Clorotiofeno* $SCCl{=}CHCH{=}CH$ C_4H_3ClS $M = 118{,}59$ g/mol **1 L ≈ 1,29 kg** assay (GC) ..... 96% boiling range ..... 125–128 °C refractive index (n_D^{20}) ..... 1,547 R: 10-20/21/22 disposal: 7	FL. *2935*	50 ml	56,50	48,05	45,20	42,40
62354 A 3/3 C 3.3 1993 2 +42 °C	**4-Chlorothiophenol** PROSYNTH® *4-Chlorothiophénol / 4-Clorotiofenol* ClC_6H_4SH C_6H_5ClS $M = 144{,}62$ g/mol assay (GC) ..... 98% melting range ..... 49–52 °C R: 20/21/22 S: 28 disposal: 7	FL. *2931*	100 g	13,25	11,25	10,60	9,95
65150 A 6.1/13C C 6.1 2811 3	**4-Chlorothymol** PROSYNTH® *Chloro-4-thymol / 4-Clorotimol* $HOC{=}[CH(CH_3)_2]CH{=}CClC(CH_3){=}CH$ $C_{10}H_{13}ClO$ $M = 184{,}67$ g/mol assay (GC) ..... 98% melting range ..... 58–60 °C	WG. *2931*	250 g	137,50	116,90	110,–	103,15
	α-Chlorotoluene see Benzyl chloride						

PEHANAL® universal indicator paper in rolls

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96 (16 Bo
64434 A 3/3 C 3.3 2238 3 +42 °C	**2-Chlorotoluene** PROSYNTH® *Chloro-2-toluène / 2-Clorotolueno* $CH_3C_6H_4Cl$ C_7H_7Cl M = 126,59 g/mol **1 L ≈ 1,08 kg** assay (GC) ..... 98 % boiling range ..... 157–159 °C refractive index (n_D^{20}) ..... 1,525 R: 20 S: 24/25 disposal: 7	FL. *2902*	1 L	47,–	39,95	37,60	36,
62356 A 3/3 C 3.3 2238 3 +52 °C	**3-Chlorotoluene** PROSYNTH® *3-Chlorotoluène / 3-Clorotolueno* $CH_3C_6H_4Cl$ C_7H_7Cl M = 126,59 g/mol **1 L ≈ 1,07 kg** assay (GC) ..... 99 % boiling range ..... 160–162 °C refractive index (n_D^{20}) ..... 1,522 R: 20 S: 24/25 disposal: 7	FL. *2902*	250 ml	40,–	34,–	32,–	30,
62357 A 3/3 C 3.3 2238 3 +53 °C	**4-Chlorotoluene** PROSYNTH® *4-Chlorotoluène / 4-Clorotolueno* $CH_3C_6H_4Cl$ C_7H_7Cl M = 126,59 g/mol **1 L ≈ 1,07 kg** assay (GC) ..... 99 % boiling range ..... 160–162 °C refractive index (n_D^{20}) 1,521	FL. *2902*	250 ml	15,50	13,20	12,40	11,6
	4-Chloro-o-toluidine see 5-Chloro-2-methylaniline						
	5-Chloro-o-toluidine see 4-Chloro-2-methylaniline						
	2-Chloro-p-toluidine see 2-Chloro-4-methylaniline						
	3-Chloro-p-toluidine see 3-Chloro-4-methylaniline						
	R: 20 S: 24/25 disposal: 7						
35788 C ./. ./.	**Chlorotoluron** min. 99% PESTANAL® [1,1-Dimethyl-3-(3-chloro-4-methylphenyl)-urea] $(CH_3)ClC_6H_3NHCON(CH_3)_2$ $C_{10}H_{13}ClN_2O$ M = 212,68 g/mol	FL. *2925*	1 g	28,25	24,–	22,60	21,2
61475 A 6.1/25C C 6.1 2206 2	**6-Chloro-2,4,5-trifluoro-1,3-phenylendi-*iso*-cyana t** PROSYNTH® *6-Chloro-2-4-5-trifluoro-1-3-phénylène di-iso-cyanate / 6-Cloro-2,4,5-trifluoro-1,3-fenilen di-iso-cianato* $F_3C_6Cl(NCO)_2$ $C_8ClF_3N_2O_2$ M = 248,55 g/mol R: 23/24/25 S: 44 disposal: 7	FL. *2930*	1 g	46,50	39,55	37,20	34,9
62358 A 8/23A C 3.2 1298 1 -17 °C	**Chlorotrimethylsilane** PROSYNTH® *Chlorotriméthylsilane / Clorotrimetilsilano* $(CH_3)_3SiCl$ C_3H_9ClSi M = 108,64 g/mol **1 L ≈ 0,86 kg** assay (GC) ..... 97 % boiling range ..... 55–57 °C refractive index (n_D^{20}) ..... 1,387 R: 11-36/37/38 S: 16-26-29 disposal: 7	FL. *2934*	100 ml	23,–	19,55	18,40	17,2
62359	**Chlorotriphenylmethane** PROSYNTH® *Chlorotriphénylméthane / Clorotrifenilmetano* $(C_6H_5)_3CCl$ $C_{19}H_{15}Cl$ M = 278,78 g/mol assay (ex Cl) ..... 97 % melting range ..... 109–112 °C	WG. *2902*	100 g	22,50	19,15	18,–	16,9

refer explanations

ode-Number RID/ADR GGVE/GGVS IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
1377 6.1/21 6.1 1935 1	**5-Chloro-*n*-valeronitrile** PROSYNTH® *5-Chloro-n-valéronitrile / 5-Cloro-n-valeronitrilo* $Cl(CH_2)_4CN$ C_5H_8ClN $M = 117{,}58$ g/mol **1 L ≈ 1,05 kg** assay (GC) ..... 97% boiling range (at 37 mbar) ..... 115–118 °C refractive index (n_D^{20}) ..... 1,446 R: 23/24/25 S: 44 disposal: 15	FL. *2927*	10 ml	46,50	39,55	37,20	34,90
	2-Chloro-1-vinylbenzene see 2-Chlorostyrene						
	3-Chloro-1-vinylbenzene see 3-Chlorostyrene						
	4-Chloro-1-vinylbenzene see 4-Chlorostyrene						
4407 3/4 -67 °C	**2-Chloro-p-xylene** *2-Chloro-p-xylène / 2-Cloro-p-xileno* $ClC_6H_3(CH_3)_2$ C_8H_9Cl $M = 140{,}61$ g/mol **1 L ≈ 1,06 kg** assay (GC) ..... 99% boiling range (at 16 mbar) ..... 64–66 °C refractive index (n_D^{20}) 1,524	FL. *2902*	500 ml	37,75	32,10	30,20	29,05
64419 A 3/4 +72 °C	**4-Chloro-o-xylene** PROSYNTH® *4-Chloro-o-xylène / 4-Cloro-o-xileno* $ClC_6H_3(CH_3)_2$ C_8H_9Cl $M = 140{,}61$ g/mol **1 L ≈ 1,07 kg** assay (GC) ..... 98% boiling range ..... 221–223 °C refractive index (n_D^{20}) 1,529	FL. *2902*	10 ml	31,25	26,55	25,—	24,05
20808	**Cholesterol** chem. pure U. S. P. XIX *Cholestérol / Colesterina* $C_{27}H_{46}O$ $M = 386{,}66$ g/mol melting range ..... 146–148 °C specific rotation ($[\alpha]_D^{25}$; c = 2 in dioxan) ..... –34° to –38° loss on drying (60 °C, 27 mbar, 4 h) ..... 0,1% sulphated ash 0,05%	PF. PF. *2905*	100 g 1 kg	31,75 271,—	27,— 230,35	25,40 216,80	23,80 208,65
20364	**Cholic acid SF** *Acide cholique SF / Acido cólico SF* $C_{23}H_{36}(OH)_3COOH$ $C_{24}H_{40}O_5$ $M = 408{,}58$ g/mol	PF. FTP. *2916*	1 kg 50 kg	price on request price on request			
39322	**Cholic acid sodium salt** BIOSYNTH® *Acide cholique sel sodique / Acido cólico sal sódica* $C_{24}H_{39}NaO_5$ $M = 430{,}56$ g/mol	WG. *2916*	50 g	56,50	48,05	45,20	42,40
64370 C 8 1719 2	**Choline solution** 50% in water PROSYNTH® *Choline en solution / Colina en solución* $(CH_3)_3N(OH)CH_2CH_2OH$ $C_5H_{15}NO_2$ $M = 121{,}18$ g/mol **1 L ≈ 1,09 kg** assay (acidimetric) 50%	FL. *2924*	100 ml	16,25	13,80	13,—	12,20
39175	**Choline chloride** BIOSYNTH® *Choline chlorure / Colina cloruro* $(CH_3)_3N(Cl)CH_2CH_2OH$ $C_5H_{14}ClNO$ $M = 139{,}62$ g/mol assay (ex Cl) 99%	PF. *2924*	500 g	52,50	44,65	42,—	40,45
39198	**Choline iodide** BIOSYNTH® *Choline iodure / Colina yoduro* $(CH_3)_3N(J)CH_2CH_2OH$ $C_5H_{14}JNO$ $M = 231{,}08$ g/mol assay (ex I) ..... 96% melting range ..... 275–278 °C	WG. *2924*	10 g	10,—	8,50	8,—	7,50

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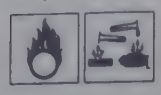
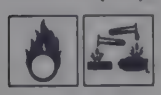
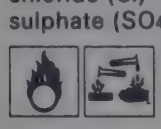
39129	**Chondroitin sulphate sodium salt** (of shark) BIOSYNTH® *Chondroitine sulfate sel sodique (de requin) / Quondroitina sulfato sal sódica (de tiburón)* assay of sulphur 5,4%	WG. *3906*	25 g	34,50	29,35	27,60	25,
	Chromatography products complete range see appendix						
64347 A 6.1/5 C 6.1 2811 2	**Chromcarbonyl** PROSYNTH® *Chromecarbonyle / Cromocarbonilo* $Cr(CO)_6$ C_6CrO_6 $M = 220,06$ g/mol assay (ex Cr) ..... 98% melting range ..... 107–110 °C (disint.) R: 23/24/25 S: 44 disposal: 10	FL. *2858*	5 g	price on request			
33108	**Chrome azurol S** (C. I. No. 43825, S. No. 841) indicator for metal titration *Chromazurol S / Cromazurolo S* $C_{23}H_{13}Cl_2Na_3O_9S$ $M = 605,29$ g/mol	WG. *3205*	25 g	19,75	16,80	15,80	14,
	Chrome black see Eriochrome black T						
	Chromedia see Cellulose powder						
	Chrome green see Chromium(III) oxide						
	Chrome red see Lead chromate						
	Chromic... see Chromium(III)...						
	Chromic anhydride see Chromium(VI) oxide						
12221	**Chromium** powder *Chrome / Cromo* Cr $M = 52,00$ g/mol assay ..... 98–99% aluminium (Al) ..... 0,2% iron (Fe) ..... 0,3% carbon (C) ..... 0,02% phosphorus (P) ..... 0,01% sulphur (S) ..... 0,025% silicium (Si) 0,1%	WG. WG. *8104*	100 g 500 g	10,– 36,–	8,50 30,60	8,– 28,80	7,5 27,7
38616	**0,100 g Chromium** FIXANAL® water-soluble standard for atom absorption *0,100 g Chrome / 0,100 g Cromo* ampoule	*3819*	1 pack	10,25	8,70	8,20	7,7
38653 A 3/3 C 3.3 1115 2 +25 °C	**0,100 g** *organo*-**Chromium** FIXANAL® petroleum ether-soluble standard for atom absorption *0,100 g organo-Chrome / 0,100 g organo-Cromo* ampoule R: 10	*3819*	1 pack	33,75	28,70	27,–	25,3
38559	**1,00 g Chromium** FIXANAL® watersoluble standard for atom absorption *1,00 g Chrome / 1,00 g Cromo* ampoule R: 36/38 S: 2-26	*3819*	1 pack	10,25	8,70	8,20	7,7
38855	**10,00 g Chromium** FIXANAL® as Potassium chromate *10,00 g Chrome / 10,00 g Cromo* ampoule	*3819*					
62360	**Chromium(III) acetylacetonate** PROSYNTH® *Chrome(III) acétylacétonate / Cromo(III) acetilacetonato* $Cr(C_5H_7O_2)_3$ $C_{15}H_{21}CrO_6$ $M = 349,32$ g/mol assay (ex Cr) ..... 99% melting range ..... 212–214 °C (disint.)	PF. *2945*	100 g	28,75	24,45	23,–	21,5

le-Number D/ADR GVE/GGVS MDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
228	**Chromium(III) chloride** pure cryst. *Chrome(III) chlorure / Cromo(III) cloruro* $CrCl_3 \cdot 6H_2O$ $M = 266{,}45$ g/mol assay ..... 97% iron (Fe) ..... 0,03% sulphate (SO_4) 0,05%	PF. PF. FTP. *2830*	500 g 1 kg 50 kg	17,50 32,— kg	14,90 27,20 13,—	14,— 25,60	13,50 24,65
401 .1 2811 3	**Chromium(II) fluoride** *Chrome(II) fluorure / Cromo(II) fluoruro* CrF_2 $M = 89{,}99$ g/mol	WG. *2829*	10 g	166,—	141,10	132,80	124,50
130 3/15B 3 1756 2	**Chromium(III) fluoride** (39—42% Cr_2O_3) *Chrome(III) fluorure / Cromo(III) fluoruro* $CrF_3 \cdot 4H_2O$ $M = 181{,}05$ g/mol assay of CrF_3 ..... 52—56% insoluble in water 2%	PF. S. FTP. *2829*	1 kg 50 kg 100 kg	20,75 price on request price on request	17,65	16,60	16,—
1313 5.1 1477 2	**Chromium(III) nitrate-9-hydrate** R. G. *Chrome(III) nitrate-9-hydrate / Cromo(III) nitrato-9-hidrato* $Cr(NO_3)_3 \cdot 9H_2O$ $M = 400{,}15$ g/mol assay ..... min. 98% ammonium (NH_4) ..... max. 0,001% calcium (Ca) ..... max. 0,005% iron (Fe) ..... max. 0,02% copper (Cu) ..... max. 0,001% magnesium (Mg) ..... max. 0,005% sodium (Na) ..... max. 0,005% nickel (Ni) ..... max. 0,005% zinc (Zn) ..... max. 0,001% chloride (Cl) ..... max. 0,005% sulphate (SO_4) ..... max. 0,005%	WG. FTP. *2839*	250 g 50 kg	18,75 kg	15,95 25,—	15,—	14,05
2232 5.1 1477 2	**Chromium(III) nitrate-9-hydrate** pure cryst. *Chrome(III) nitrate-9-hydrate / Cromo(III) nitrato-9-hidrato* $Cr(NO_3)_3 \cdot 9H_2O$ $M = 400{,}15$ g/mol assay ..... 99% ammonium (NH_4) ..... 0,001% iron (Fe) ..... 0,02% chloride (Cl) ..... 0,003% sulphate (SO_4) 0,03%	PF. PF. PF. S. *2839*	500 g 1 kg 2,5 kg 50 kg	16,— 29,— 62,— price on request	13,60 24,65 51,45	12,80 23,20 48,35	12,30 22,35 46,50
2278	**Chromium(III) nitrate solution** 70% $Cr(NO_3)_3 \cdot 9H_2O$ *Chrome(III) nitrate en solution / Cromo(III) nitrato en solución* $Cr(NO_3)_3 \cdot 9H_2O$ $M = 400{,}15$ g/mol **1 L ≈ 1,41 kg** assay (of $Cr(NO_3)_3 \cdot 9H_2O$) ..... 69—71% pH (20 °C, 5%) ..... 2—2,5 ammonium (NH_4) ..... 0,001% calcium (Ca) ..... 0,1% iron (Fe) ..... 0,1% sodium (Na) ..... 0,1% chloride (Cl) ..... 0,005% sulphate (SO_4) 2%	PF. FPF. *2839*	2,5 L 60 kg	price on request price on request			
2233	**Chromium(III) oxide** pure *Chrome(III) oxyde / Cromo(III) óxido* Cr_2O_3 $M = 151{,}99$ g/mol assay ..... 99,8% chromium(VI)-oxide (CrO_3) ..... 0,01% sulphate (SO_4) 0,01%	PF. PF. PF. S. *2821*	500 g 1 kg 5 kg 25 kg	18,— 32,75 131,— price on request	15,30 27,85 108,75	14,40 26,20 102,20	13,85 25,20 98,25

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96 (16 Bo
31225 A 5.1/10 C 5.1 1463 2	**Chromium(VI) oxide** R. G., cryst. Reag. ACS, Reag. Ph. Eur. I *Chrome(VI) oxyde / Cromo(VI) óxido* CrO_3 *M* = 99,99 g/mol assay ..... min. 98 % insoluble in water ..... max. 0,005 % potassium (K) ..... max. 0,005 % sodium (Na) ..... max. 0,005 % chloride (Cl) ..... max. 0,005 % nitrate (NO_3) ..... max. 0,004 % sulphate (SO_4) ..... max. 0,005 %  R: 8-35 S: 28 disposal: 16	WG. WG. WG. BL. *2821*	100 g 250 g 1 kg 50 kg	10,25 20,— 59,50 kg	8,70 17,— 50,60 24,50	8,20 16,— 47,60	7 15 45
12235 A 5.1/10 C 5.1 1463 2	**Chromium(VI) oxide** chem. pure DAC, B. P. C. 1968, N. F. X *Chrome(VI) oxyde / Cromo(VI) óxido* CrO_3 *M* = 99,99 g/mol assay ..... 99 % alkalis ..... 0,1 % chloride (Cl) ..... 0,02 % sulphate (SO_4) ..... 0,02 % loss in drying (105 °C) ..... 0,5 % potassium (K) ..... 0,02 % sodium (Na) ..... 0,02 %  R: 8-35 S: 28 disposal: 16	WG. WG. WG. FPD. *2821*	250 g 1 kg 2,5 kg 50 kg	19,25 56,50 118,— price on request	16,35 48,05 97,95	15,40 45,20 92,05	14, 43, 88,
12236 A 5.1/10 C 5.1 1463 2	**Chromium(VI) oxide** scales *Chrome(VI) oxyde / Cromo(VI) óxido* CrO_3 *M* = 99,99 g/mol assay ..... 99,5 % chloride (Cl) ..... 0,02 % sulphate (SO_4) ..... 0,1 %  R: 8-35 S: 28 disposal: 16	BL. BL. BLT. *2821*	1 kg 5 kg 50 kg	35,— 131,— price on request	29,75 108,75	28,— 102,20	26, 98,
	Chromium potassium sulphate see Potassium chromium sulphate						
	Chromium sesquichloride see Chromium(III) chloride						
	Chromium sesquioxide see Chromium(III) oxide						
12243	**Chromium(III) sulphate** basic pure *Chrome(III) sulfate / Cromo(III) sulfato* $Cr_4(SO_4)_5(OH)_2$ *M* = 722,31 g/mol assay of Cr_2O_3 ..... 33—34 % pH (5 %, 20 °C) ..... 1,5—2,5 iron (Fe) ..... 0,02 % chloride (Cl) ..... 0,02 % chromate (CrO_4) ..... 0,05 %	PF. PF. FTP. *2838*	500 g 1 kg 50 kg	14,25 26,— price on request	12,10 22,10	11,40 20,80	10,9 20,
	Chromium trioxide see Chromium(VI) oxide						
	Chromogene black see Eriochrome black T						
39500	**Chromosorb® G NAW** 0,180—0,250 mm (60—80 mesh ASTM) calcined, not acid washed for gas chromatography *Chromosorb® G NAW / Chromosorb® G NAW* ® = trade mark of the Johns-Manville	WG. *3819*	100 g	65,50	55,70	52,40	49,1
39501	**Chromosorb® G AW** 0,150—0,180 mm (80—100 mesh ASTM) calcined, acid washed for gas chromatography	WG. *3819*	100 g	109,—	92,65	87,20	81,7
39502	**Chromosorb® G AW** 0,180—0,250 mm (60—80 mesh ASTM) calcined, acid washed for gas chromatography	WG. *3819*	100 g	98,50	83,75	78,80	73,9
39503	**Chromosorb® G AW-DMCS** 0,150—0,180 mm (80—100 mesh ASTM) calcined, acid washed and treated with dimethyldichlorosilane for gas chromatography	WG. *3819*	100 g	153,—	130,05	122,40	114,7

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9504	**Chromosorb® G AW-DMCS** 0,180—0,250 mm (60—80 mesh ASTM) calcined, acid washed and treated with dimethyldichlorosilane for gas chromatography	WG. 3819	100 g	131,—	111,35	104,80	98,25
9505	**Chromosorb® G HP AW-DMCS** 0,150—0,180 mm (80—100 mesh ASTM) calcined, acid washed and treated with dimethyldichlorosilane (High Performance grade) for gas chromatography	WG. 3819	50 g	173,—	147,05	138,40	129,75
9506	**Chromosorb® P NAW** 0,150—0,180 mm (80—100 mesh ASTM) calcined, not acid washed for gas chromatography	WG. 3819	100 g	81,—	68,85	64,80	60,75
9507	**Chromosorb® P NAW** 0,180—0,250 mm (60—80 mesh ASTM) calcined, not acid washed for gas chromatography	WG. 3819	100 g	71,—	60,35	56,80	53,25
9508	**Chromosorb® P AW** 0,150—0,180 mm (80—100 mesh ASTM) calcined, acid washed for gas chromatography	WG. 3819	100 g	111,50	94,80	89,20	83,65
9509	**Chromosorb® P AW** 0,180—0,250 mm (60—80 mesh ASTM) calcined, acid washed for gas chromatography	WG. 3819	100 g	107,—	90,95	85,60	80,25
9510	**Chromosorb® P AW-DMCS** 0,150—0,180 mm (80—100 mesh ASTM) calcined, acid washed and treated with dimethyldichlorosilane for gas chromatography	WG. 3819	100 g	175,—	148,75	140,—	131,25
9511	**Chromosorb® P AW-DMCS** 0,180—0,250 mm (60—80 mesh ASTM) calcined, acid washed and treated with dimethyl-dichlorosilane for gas chromatography	WG. 3819	100 g	171,—	145,35	136,80	128,25
9512	**Chromosorb® W NAW** 0,180—0,250 mm (60—80 mesh ASTM) calcined, not acid washed for gas chromatography	WG. 3819	100 g	93,—	79,05	74,40	69,75
9513	**Chromosorb® W AW** 0,150—0,180 mm (80—100 mesh ASTM) calcined, acid washed for gas chromatography	WG. 3819	100 g	147,50	125,40	118,—	110,65
9514	**Chromosorb® W AW** 0,180—0,250 mm (60—80 mesh ASTM) calcined, acid washed for gas chromatography	WG. 3819	100 g	131,—	111,35	104,80	98,25
9515	**Chromosorb® W AW-DMCS** 0,150—0,180 mm (80—100 mesh ASTM) calcined, acid washed and treated with dimethyl-dichlorosilane for gas chromatography	WG. 3819	100 g	180,—	153,—	144,—	135,—
9516	**Chromosorb® W AW-DMCS** 0,180—0,250 mm (60—80 mesh ASTM) calcined, acid washed and treated with dimethyl-dichlorosilane for gas chromatography	WG. 3819	100 g	164,—	139,40	131,20	123,—
9517	**Chromosorb® W HP AW-DMCS** 0,125—0,150 mm (100—120 mesh ASTM) calcined, acid washed and treated with dimethyl-dichlorosilane (High Performance grade) for gas chromatography	WG. 3819	50 g	169,—	143,65	135,20	126,75
9518	**Chromosorb® T** 0,250—0,420 mm (40—60 mesh ASTM) for gas chromatography	WG. 3819	100 g	159,—	135,15	127,20	119,25
9519	**Chromosorb® T** 0,250—0,600 mm (30—60 mesh ASTM) for gas chromatography	WG. 3819	100 g	98,50	83,75	78,80	73,90
9520	**Chromosorb® 101** 0,150—0,180 mm (80—100 mesh ASTM) for gas chromatography	WG. 3819	50 g	224,—	190,40	179,20	168,—
9521	**Chromosorb® 101** 0,180—0,250 mm (60—80 mesh ASTM) for gas chromatography	WG. 3819	50 g	224,—	190,40	179,20	168,—
9522	**Chromosorb® 102** 0,150—0,180 mm (80—100 mesh ASTM) for gas chromatography	WG. 3819	50 g	180,—	153,—	144,—	135,—
9523	**Chromosorb® 102** 0,180—0,250 mm (60—80 mesh ASTM) for gas chromatography	WG. 3819	50 g	164,—	139,40	131,20	123,—
9524	**Chromosorb® 103** 0,150—0,180 mm (80—100 mesh ASTM) for gas chromatography	WG. 3819	50 g	224,—	190,40	179,20	168,—
9525	**Chromosorb® 103** 0,180—0,250 mm (60—80 mesh ASTM) for gas chromatography	WG. 3819	50 g	224,—	190,40	179,20	168,—

POLYPEHA® universal and special indicator papers in strips

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39526	**Chromosorb® 104** 0,150—0,180 mm (80—100 mesh ASTM) for gas chromatography	WG. *3819*	50 g	262,—	222,70	209,60	196,
39527	**Chromosorb® 104** 0,180—0,250 mm (60—80 mesh ASTM) for gas chromatography	WG. *3819*	50 g	262,—	222,70	209,60	196,
39528	**Chromosorb® 105** 0,150—0,180 mm (80—100 mesh ASTM) for gas chromatography	WG. *3819*	50 g	262,—	222,70	209,60	196,
39529	**Chromosorb® 105** 0,180—0,250 mm (60—80 mesh ASTM) for gas chromatography	WG. *3819*	50 g	268,—	227,80	214,40	201,
39530	**Chromosorb® 106** 0,150—0,180 mm (80—100 mesh ASTM) for gas chromatography	WG. *3819*	50 g	278,—	236,30	222,40	208,
39531	**Chromosorb® 106** 0,180—0,250 mm (60—80 mesh ASTM) for gas chromatography	WG. *3819*	50 g	268,—	227,80	214,40	201,
39532	**Chromosorb® 107** 0,150—0,180 mm (80—100 mesh ASTM) for gas chromatography	WG. *3819*	50 g	278,—	236,30	222,40	208,5
39533	**Chromosorb® 107** 0,180—0,250 mm (60—80 mesh ASTM) for gas chromatography	WG. *3819*	50 g	268,—	227,80	214,40	201,
07404 A 8/1A C 8 2240 1	**Chromosulphuric acid** 2% CrO_3 *Acide chromosulfurique / Acido cromosulfúrico* 1 L ≈ 1,77 kg R: 35 S: 2-26-30 disposal: 11	FL. FL. BA. BA. *3819*	1 L 2,5 L 40 kg 5x	20,25 41,75 kg kg	17,20 34,65 4,40 4,10	16,20 32,55	15,6 31,3
33955	**Chromotrope 2 R** for microscopy (C. I. No. 16570) *Chromotrope 2 R / Cromotropo 2 R* $C_{16}H_{10}N_2Na_2O_8S_2$ $M = 468,37$ g/mol	WG. *3205*	25 g	38,25	32,50	30,60	28,7
33111	**Chromotropic acid** R. G., Reag. Ph. Eur. I *Acide chromotropique / Acido cromotrópico* $(HO)_2C_{10}H_4(SO_3Na)_2 \cdot 2H_2O$ $C_{10}H_6Na_2O_8S_2 \cdot 2H_2O$ $M = 400,29$ g/mol assay ..... min. 98,5% insoluble in water ..... max. 0,01% water (according to Karl Fischer) ..... max. 9,5% sulphated ash ..... 35—36% sulphate (SO_4) ..... max. 0,002% sensibility test with formaldehyde ..... passes test	WG. *2907*	25 g	16,—	13,60	12,80	12,—
	Chrysazine see 1,8-Dihydroxyanthraquinone						
33172	**Chrysoidine G** for microscopy *Chrysoidine G / Crisoidina G* $C_6H_5N{=}NC_6H_3(NH_2)_2 \cdot HCl$ $C_{12}H_{13}ClN_4$ $M = 248,71$ g/mol	WG. *3205*	100 g	25,75	21,90	20,60	19,30
	Chrysoin see Tropaeolin O						
	***iso*-Cinchomeronic acid** see 2,5-Pyridinedicarboxylic acid						
63326	**Cinchonidine** PROSYNTH® *Cinchonidine / Cinconidina* $C_{19}H_{22}N_2O$ $M = 294,40$ g/mol assay (UV) ..... 99% melting range ..... 204—206 °C spec. rotation ($[\alpha]_D^{20}$; c = 1 in C_2H_5OH) ..... −107° ± 2° log $\varepsilon_{/315}$ (C_2H_5OH) 3,51	WG. *2942*	25 g	20,75	17,65	16,60	15,55
15323 A 6.1/21 C 6.1 2811 3	**Cinchonine** pure cryst. *Cinchonine / Cinconina* $C_{19}H_{22}N_2O$ $M = 294,40$ g/mol	PF. PF. *2942*	25 g 100 g	20,50 70,—	17,45 59,50	16,40 56,—	15,40 52,50

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2112	**Cinchonine hydrochloride dihydrate** R. G. *Cinchonine chlorhydrate dihydrate / Cinconina clorhidrato dihidrato* $C_{19}H_{23}ClN_2O \cdot 2H_2O$ $M = 366{,}89$ g/mol assay ..... min. 98% specific rotation $[\alpha]_D^{20}$; c = 1 in HCl 0,1 mol/l] ..... +230° ±5° loss on drying ..... 8–10% sulphated ash ..... max. 0,002% R: 20/21/22 S: 28 disposal: 7	WG. WG. *2942*	10 g 25 g	13,50 23,50	11,50 20,–	10,80 18,80	10,15 17,65
	Cinchophen see 2-Phenylquinoline-4-carboxylic acid						
	Cinnabar see Mercury(II) sulphide red						
3182	***trans*-Cinnamaldehyde** PROSYNTH® *Aldéhyde trans-cinnamique / Aldehído trans-cinámico* $C_6H_5CH=CHCHO$ C_9H_8O $M = 132{,}16$ g/mol **1 L ≈ 1,05 kg** assay (GC) ..... 98% boiling range (at 21 mbar) ..... 125–127 °C refractive index (n_D^{20}) 1,622	FL. *2911*	1 L	53,–	45,05	42,40	40,80
63185	**Cinnamic acid** PROSYNTH® *Acide cinnamique / Acido cinámico* $C_6H_5CH=CHCOOH$ $C_9H_8O_2$ $M = 148{,}16$ g/mol assay (alkalimetric) ..... 99% melting range ..... 132–134 °C	PF. *2914*	250 g	24,–	20,40	19,20	18,–
63091 A 6.1/21 C 6.1 1935 1	**Cinnamonitrile** PROSYNTH® *Cinnamonitrile / Cinamonitrilo* $C_6H_5CH=CHCN$ C_9H_7N $M = 129{,}16$ g/mol **1 L ≈ 1,03 kg** assay (GC) ..... 97% boiling range (at 16 mbar) ..... 128–130 °C refractive index (n_D^{20}) 1,601	FL. *2927*	10 ml	21,50	18,30	17,20	16,15
60401 A 8/22 C 8 1760 2	**Cinnamoyl chloride** PROSYNTH® *Cinnamoyle chlorure / Cinamoilo cloruro* $C_6H_5CH=CHCOCl$ C_9H_7ClO $M = 166{,}61$ g/mol assay (ex Cl) ..... 98% melting range ..... 34–36 °C	WG. *2914*	100 g	24,75	21,05	19,80	18,55
60425	**N-Cinnamoyl-N-phenylhydroxylamine** PROSYNTH® *N-Cinnamoyl-N-phénylhydroxylamine / N-Cinamoil-N-fenilhidroxilamina* $C_6H_5CH=CHCON(OH)C_6H_5$ $C_{15}H_{13}NO_2$ $M = 239{,}28$ g/mol	WG. *2929*	25 g	95,50	81,20	76,40	71,65
63183	**Cinnamyl alcohol** PROSYNTH® *Alcool cinnamique / Alcohol cinámico* $C_6H_5CH=CHCH_2OH$ $C_9H_{10}O$ $M = 134{,}18$ g/mol assay (GC) ..... 98% melting range ..... 31–33 °C	PF. *2905*	250 g	39,25	33,35	31,40	29,45
39323	**Citraconic anhydride** BIOSYNTH® *Anhydride citraconique / Anhídrido citracónico* $OCOC(CH_3)=CHCO$ $C_5H_4O_3$ $M = 112{,}08$ g/mol **1 L ≈ 1,25 kg**	FL. *2915*	25 ml	19,75	16,80	15,80	14,80

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60113	**Citraconic anhydride** PROSYNTH® *Anhydride citraconique / Anhídrido citracónico* OCOCH=C(CH3)CO $C_5H_4O_3$ *M* = 112,08 g/mol **1 L ≈ 1,25 kg** assay ..... 99% boiling range ..... 211–213 °C refractive index (n_D^{20}) 1,472	FL. *2915*	100 ml	31,75	27,–	25,40	23
62363 A 3/4 +95 °C	**Citral** PROSYNTH® mixture of *cis*- and *trans*-isomers *Citral / Citral* $(CH_3)_2C=CHCH_2CH_2C(CH_3)=CHCHO$ $C_{10}H_{16}O$ *M* = 152,24 g/mol **1 L ≈ 0,89 kg** assay of *cis*- and *trans*-isomers (GC) ..... 99% boiling range ..... 227–229 °C refractive index (n_D^{20}) 1,488	FL. *2911*	100 ml	29,25	24,85	23,40	21
27109	**Citric acid** chem. pure gritty Ph. Eur. I, B. P. 1973, Ph. Franç. IX *Acide citrique / Acido cítrico* $HOC(COOH)(CH_2COOH)_2$ $C_6H_8O_7$ *M* = 192,13 g/mol assay ..... 99,8% water (acc. to Karl Fischer) ..... 0,1% sulphated ash ..... 0,02% arsenic (As) ..... 0,0001% calcium (Ca) ..... 0,01% iron (Fe) ..... 0,0005% heavy metals (as Pb) ..... 0,0005% chloride (Cl) ..... 0,001% oxalate (C_2O_4) ..... 0,005% sulphate (SO_4) ..... 0,01% reaction to sulphuric acid ..... passes test	PF. PF. S. FTP. *2916*	1 kg 5 kg 50 kg 50 kg	20,50 83,– kg kg	17,45 68,90 8,10 8,50	16,40 64,75	15 62
27102	○ **Citric acid monohydrate** chem. pure gritty Ph. Eur. I, B. P.1973, Ph. Franç. IX *Acide citrique monohydrate / Acido cítrico monohidrato* $HOC(COOH)(CH_2COOH)_2 \cdot H_2O$ $C_6H_8O_7 \cdot H_2O$ *M* = 210,14 g/mol assay ..... 99% water (acc. to Karl Fischer) ..... 7,5–9,0% sulphated ash ..... 0,02% calcium (Ca) ..... 0,01% iron (Fe) ..... 0,001% heavy metals (as Pb) ..... 0,0005% chloride (Cl) ..... 0,002% oxalate (C_2O_4) ..... 0,005% sulphate (SO_4) ..... 0,01% reaction to sulphuric acid ..... passes test	PF. PF. S. FTP. *2916*	1 kg 5 kg 50 kg 50 kg	18,75 77,50 kg kg	15,95 64,35 7,60 8,–	15,– 60,45	14, 58,
33114	**Citric acid monohydrate** R. G., buffer substance, Reag. ACS, Reag. Ph. Eur. I *Acide citrique monohydrate / Acido cítrico monohidrato* $HOC(COOH)(CH_2COOH)_2 \cdot H_2O$ $C_6H_8O_7 \cdot H_2O$ *M* = 210,14 g/mol assay ..... min. 99,5% insoluble in water ..... max. 0,005% water (according to Karl Fischer) ..... 7,5–9,0% sulphated ash ..... max. 0,005% calcium (Ca) ..... max. 0,005% iron (Fe) ..... max. 0,0003% heavy metals (as Pb) ..... max. 0,0002% chloride (Cl) ..... max. 0,0005% oxalate (C_2O_4) ..... max. 0,005% phosphate (PO_4) ..... max. 0,001% sulphate (SO_4) ..... max. 0,002% tartrate ($C_4H_4O_6$) ..... max. 0,2%	PF. PF. PF. *2916*	500 g 1 kg 2,5 kg	16,75 27,75 60,–	14,25 23,60 49,80	13,40 22,20 46,80	12,9 21,3 45,–

refer explanations

e-Number D/ADR GVE/GGVS DG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
104	**Citric acid monohydrate** chem. pure powder Ph. Eur. I, B. P. 1973, Ph. Franç. IX *Acide citrique monohydrate / Acido cítrico monohidrato* $HOC(COOH)(CH_2COOH)_2 \cdot H_2O$ $C_6H_8O_7 \cdot H_2O$ $M = 210{,}14$ g/mol assay ..... 99% water (acc. to Karl Fischer) ..... 7,5–9,0% sulphated ash ..... 0,02% calcium (Ca) ..... 0,01% iron (Fe) ..... 0,001% heavy metals (as Pb) ..... 0,0005% chloride (Cl) ..... 0,002% oxalate (C_2O_4) ..... 0,005% sulphate (SO_4) ..... 0,01% reaction to sulphuric acid ..... passes test	PF. PF. S. FTP. *2916*	1 kg 5 kg 50 kg 40 kg	19,25 79,50 kg kg	16,35 66,– 7,85 8,25	15,40 62,–	14,80 59,65
	Citric acid-ammonium iron(III) salt see Ammonium iron(III) citrate						
	Citric acid-iron(III) salt see Iron(III) citrate						
3582	**(±)-*iso*-Citric acid lactone** PROSYNTH® *Acide (±)-iso-citrique lactone / Acido (±)-iso-cítrico lactona* $CH(COOH)CH(COOH)CH_2COO$ $C_6H_6O_6$ $M = 174{,}11$ g/mol assay ..... 97% melting range ..... 157–160 °C	FL. *2935*	1 g	47,50	40,40	38,–	35,65
	Citric acid-manganese salt see Manganese citrate						
	Citric acid-potassium salt see Potassium citrate						
	Citric acid-sodium salt see Sodium citrate and sodium dihydrogen citrate						
	DL-*iso*-Citric acid trisodium salt-2-hydrate see *tri*-Sodium-DL-*iso*-citrate dihydrate						
9623	**Citroflex A 4** for gas chromatography *Citroflex A 4 / Citroflex A 4* working temperature ..... to 170 °C	FL. *2916*	50 g	42,75	36,35	34,20	32,05
9008	**L(+)-Citrulline** BIOSYNTH® *L(+)-Citrulline / L(+)-Citrulina* $NH_2CONH(CH_2)_3CH(NH_2)COOH$ $C_6H_{13}N_3O_3$ $M = 175{,}19$ g/mol assay (ex N) ..... 99% specific rotation ($[\alpha]_D^{20}$; c = 1 in HCl 1 mol/l) +22,5° ±1°	WG. *2925*	10 g	22,–	18,70	17,60	16,50
	Clark's soap solution see Soap solution according to Clark						
	Clayton yellow see Titan yellow						
	Clupein sulphate see Protamine sulphate						
	C-M-Outfit® For the quick determination of moisture according to the Carbide Method. Descriptive literature on request.						
12919	**Cobalt** granulated *Cobalt / Cobalto* Co $M = 58{,}93$ g/mol assay ..... 98,5% iron (Fe) ..... 0,8% copper (Cu) ..... 0,05% nickel (Ni) 0,8%	PF. PF. *8104*	100 g 1 kg	57,50 436,–	48,90 370,60	46,– 348,80	43,15 335,70

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12930	**Cobalt** powder *Cobalt / Cobalto* Co $M = 58{,}93$ g/mol assay ..... 98,5% iron (Fe) ..... 0,02% copper (Cu) ..... 0,002% nickel (Ni) 0,3%	PF. PF. *8104*	100 g 1 kg	61,50 463,—	52,30 393,55	49,20 370,40	46 356
38607	**0,100 g Cobalt** FIXANAL® water-soluble standard for atom absorption *0,100 g Cobalt / 0,100 g Cobalto* ampoule	*3819*	1 pack	10,25	8,70	8,20	7
38656 A 3/3 C 3.2 1115 2 +25 °C	**0,100 g** *organo*-**Cobalt** FIXANAL® petroleum ether-soluble standard for atom absorption *0,100 g organo-Cobalt / 0,100 g organo-Cobalto* ampoule R: 10	*3819*	1 pack	33,75	28,70	27,—	25
38870	**10,00 g Cobalt** FIXANAL® as Cobalt(II) sulphate *10,00 g Cobalt / 10,00 g Cobalto* ampoule	*3819*	1 pack	18,75	15,95	15,—	14
38563	**1,00 g Cobalt** FIXANAL® watersoluble standard for atom absorption *1,00 g Cobalt / 1,00 g Cobalto* ampoule	*3819*					
31314	**Cobalt(II) acetate tetrahydrate** R. G., Reag. Ph. Eur. I *Cobalt(II) acétate tétrahydrate / Cobalto(II) acetato tetrahidrato* $Co(CH_3COO)_2 \cdot 4H_2O$ $C_4H_6CoO_4 \cdot 4H_2O$ $M = 249{,}08$ g/mol assay ..... min. 99% pH range (5%, 20 °C) ..... 6—8 lead (Pb) ..... max. 0,0005% calcium (Ca) ..... max. 0,005% iron (Fe) ..... max. 0,001% potassium (K) ..... max. 0,005% copper (Cu) ..... max. 0,0005% magnesium (Mg) ..... max. 0,005% sodium (Na) ..... max. 0,01% nickel (Ni) ..... max. 0,02% zinc (Zn) ..... max. 0,001% chloride (Cl) ..... max. 0,001% sulphate (SO_4) ..... max. 0,005% total nitrogen (N) ..... max. 0,002%	PF. FTP. *2914*	250 g 50 kg	88,50 price on request	75,25	70,80	66
12905	**Cobalt(II) acetate tetrahydrate** *Cobalt(II) acétate tetrahydrate / Cobalto(II) acetato tetrahidrato* $Co(CH_3COO)_2 \cdot 4H_2O$ $C_4H_6CoO_4 \cdot 4H_2O$ $M = 249{,}08$ g/mol assay ..... 99% iron (Fe) ..... 0,01% nickel (Ni) ..... 0,3% chloride (Cl) ..... 0,005% sulphate (SO_4) 0,05%	PF. PF. S. *2914*	500 g 1 kg 50 kg	76,50 140,50 price on request	65,05 119,45	61,20 112,40	58 108,
62715	**Cobalt(II) acetylacetonate** PROSYNTH® *Cobalt(II) acétylacétonate / Cobalto(II) acetilacetonato* $Co(C_5H_7O_2)_2$ $C_{10}H_{14}CoO_4$ $M = 257{,}15$ g/mol assay (ex Co) ..... 99% melting range ..... 176—178 °C	WG. *2945*	100 g	51,—	43,35	40,80	38,
62716	**Cobalt(III) acetylacetonate** PROSYNTH® *Cobalt(III) acétylacétonate / Cobalto(III) acetilacetonato* $Co(C_5H_7O_2)_3$ $C_{15}H_{21}CoO_6$ $M = 356{,}26$ g/mol assay (ex Co) ..... 99% melting range ..... 195—197 °C (disint.)	PF. *2945*	100 g	71,—	60,35	56,80	53,

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	Cobalt black see Cobalt(III) oxide						
	Cobalt carbonate basic see Cobalt(II) hydroxide carbonate						
65038 A 6.1/5 C 6.1 2811 2	**Cobalt carbonyl** PROSYNTH® *Cobalt carbonyle / Cobalto carbonilo* $Co_2(CO)_8$ $C_8Co_2O_8$ $M = 341,95$ g/mol assay (ex Co) ..... 98% R: 23/24/25 S: 44 disposal: 10	FL. *2858*	5 g	34,25	29,10	27,40	25,70
31277 C 6.1 2811 3	**Cobalt(II) chloride-6-hydrate** R. G., Reag. ACS, Reag, ISO, Reag. Ph. Eur. I *Cobalt(II) chlorure-6-hydrate / Cobalto(II) cloruro-6-hidrato* $CoCl_2 \cdot 6H_2O$ $M = 237,93$ g/mol assay ..... min. 99% insoluble in water ..... max. 0,01% ammonium (NH_4) ..... max. 0,005% lead (Pb) ..... max. 0,0005% calcium (Ca) ..... max. 0,005% iron (Fe) ..... max. 0,005% potassium (K) ..... max. 0,005% copper (Cu) ..... max. 0,001% Magnesium (Mg) ..... max. 0,001% manganese (Mn) ..... max. 0,002% sodium (Na) ..... max. 0,01% nitrate (NO_3) ..... max. 0,01% nickel (Ni) ..... max. 0,05% zinc (Zn) ..... max. 0,002% sulphate (SO_4) ..... max. 0,005%	PF. PF. PF. *2830*	100 g 250 g 1 kg	38,50 81,— 274,—	32,75 68,85 232,90	30,80 64,80 219,20	28,90 60,75 211,—
12914 C 6.1 2811 3	**Cobalt(II) chloride-6-hydrate** chem. pure cryst. *Cobalt(II) chlorure-6-hydrate / Cobalto(II) cloruro-6-hidrato* $CoCl_2 \cdot 6H_2O$ $M = 237,93$ g/mol assay ..... 99% lead (Pb) ..... 0,002% iron (Fe) ..... 0,01% nickel (Ni) ..... 0,1% zinc (Zn) ..... 0,05% substances not precipitated by ammonium sulphide (as sulphates) ..... 0,3% sulphate (SO_4) 0,01%	PF. PF. *2830*	100 g 1 kg	23,— 175,—	19,55 148,75	18,40 140,—	17,25 134,75
12916 C 6.1 2811 3	**Cobalt(II) chloride-6-hydrate** pure cryst. *Cobalt(II) chlorure-6-hydrate / Cobalto(II) cloruro-6-hidrato* $CoCl_2 \cdot 6H_2O$ $M = 237,93$ g/mol assay ..... 98% lead (Pb) ..... 0,005% iron (Fe) ..... 0,005% nickel (Ni) ..... 0,2% sulphate (SO_4) 0,05%	PF. PF. S. *2830*	250 g 1 kg 50 kg	47,— 156,— price on request	39,95 132,60	37,60 124,80	35,25 120,10
10402 C 6.1 2811 3	**Cobalt(II) fluoride** *Cobalt(II) fluorure / Cobalto(II) fluoruro* CoF_2 $M = 96,93$ g/mol	PF. FTP. *2829*	10 g 50 kg	23,50 price on request	20,—	18,80	17,65
10403 C 6.1 2811 3	**Cobalt(III) fluoride** *Cobalt(III) fluorure / Cobalto(III) fluoruro* CoF_3 $M = 115,93$ g/mol assay 99%	PF. *2829*	10 g	48,—	40,80	38,40	36,—
01257 C 6.1 2811 3	**Cobalt(II) fluoride-4-hydrate** *Cobalt(II) fluorure-4-hydrate / Cobalto(II) fluoruro-4-hidrato* $CoF_2 \cdot 4H_2O$ $M = 168,99$ g/mol	PF. *2829*	1 kg	price on request			

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12910	**Cobalt(II) hydroxide carbonate** chem. pure *Cobalt(II) hydroxyde carbonate / Cobalto(II) hidróxido-carbonato* assay of Co ..... 46–48% lead (Pb) ..... 0,005% iron (Fe) ..... 0,01% nickel (Ni) ..... 0,5% zinc (Zn) ..... 0,05% substances not precipitated by ammonium sulphide (as sulphates) ..... 1,5% chloride (Cl) ..... 0,01% sulphate (SO_4) 0,05%	PF. *2842*	250 g	149,50	127,10	119,60	112
12911	**Cobalt(II) hydroxide carbonate** technical *Cobalt(II) hydroxyde carbonate / Cobalto(II) hidróxido carbonato* assay of Co ..... 44,5% iron (Fe) ..... 0,01% nickel (Ni) ..... 1% chloride (Cl) ..... 0,05% sulphate (SO_4) 0,5%	PF. FTP. *2842*	1 kg 50 kg	263,–	223,55 price on request	210,40	202,
31278 C 5.1 1477 2	**Cobalt(II) nitrate-6-hydrate** R. G., Reag. ACS *Cobalt(II) nitrate-6-hydrate / Cobalto(II) nitrato-6-hidrato* $Co(NO_3)_2 \cdot 6H_2O$ $M = 291,03$ g/mol assay ..... min. 99% insoluble in water ..... max. 0,005% ammonium (NH_4) ..... max. 0,1% calcium (Ca) ..... max. 0,005% iron (Fe) ..... max. 0,001% potassium (K) ..... max. 0,05% copper (Cu) ..... max. 0,001% magnesium (Mg) ..... max. 0,005% manganese (Mn) ..... max. 0,005% sodium (Na) ..... max. 0,05% nickel (Ni) ..... max. 0,1% zinc (Zn) ..... max. 0,005% chloride (Cl) ..... max. 0,002% sulphate (SO_4) ..... max. 0,005%	PF. PF. PF. *2839*	100 g 250 g 1 kg	28,25 59,– 198,–	24,– 50,15 168,30	22,60 47,20 158,40	21, 44, 152,
31279 C 5.1 1477 2	**Cobalt(II) nitrate-6-hydrate** R. G., Reag. Ph. Eur. I (max. 0,001% Ni) *Cobalt(II) nitrate-6-hydrate / Cobalto(II) nitrato-6-hidrato* $Co(NO_3)_2 \cdot 6H_2O$ $M = 291,06$ g/mol assay (chelatometric) ..... min. 99% insoluble in water ..... max. 0,01% lead (Pb) ..... max. 0,001% iron (Fe) ..... max. 0,001% copper (Cu) ..... max. 0,001% manganese (Mn) ..... max. 0,005% nickel (Ni) ..... max. 0,001% zinc (Zn) ..... max. 0,005% substances not precipitated by ammonium sulphide (as sulphates) ..... max. 0,2% chloride (Cl) ..... max. 0,005% sulphate (SO_4) ..... max. 0,005%	WG. *2839*	100 g	46,25	39,30	37,–	34,7
12921 C 5.1 1477 2	**Cobalt(II) nitrate-6-hydrate** chem. pure cryst. *Cobalt(II) nitrate-6-hydrate / Cobalto(II) nitrato-6-hidrato* $Co(NO_3)_2 \cdot 6H_2O$ $M = 291,03$ g/mol assay ..... 99% lead (Pb) ..... 0,002% iron (Fe) ..... 0,005% nickel (Ni) ..... 0,01% zinc (Zn) ..... 0,02% substances not precipitated by ammonium sulphide (as sulphates) ..... 0,5% chloride (Cl) ..... 0,005% sulphate (SO_4) 0,01%	PF. PF. *2839*	100 g 1 kg	17,25 130,–	14,65 110,50	13,80 104,–	12,9 100,1

refer explanations

de-Number RID/ADR GGVE/GGVS MDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
922 6.1 1477 2	**Cobalt(II) nitrate-6-hydrate** pure cryst. *Cobalt(II) nitrate-6-hydrate / Cobalto(II) nitrato-6-hidrato* $Co(NO_3)_2 \cdot 6H_2O$ *M* = 291,03 g/mol assay ..... 98 % iron (Fe) ..... 0,01 % nickel (Ni) ..... 0,1 % chloride (Cl) ..... 0,005 % sulphate (SO_4) ..... 0,01 %	PF. PF. PF. FTP. *2839*	250 g 1 kg 2,5 kg 50 kg	34,25 113,50 245,— price on request	29,10 96,50 203,35	27,40 90,80 191,10	25,70 87,40 183,75
1280	**Cobalt(III) oxide** R. G. (for the determination of sulphur) *Cobalt(III) oxyde / Cobalto(III) óxido* assay of Co ..... min. 71 % lead (Pb) ..... max. 0,001 % iron (Fe) ..... max. 0,01 % total sulphur (S) ..... max. 0,001 %	WG. WG. FTP. *2824*	25 g 100 g 25 kg	23,— 77,50 price on request	19,55 65,90	18,40 62,—	17,25 58,15
2926	**Cobalt(III) oxide** black *Cobalt(III) oxyde / Cobalto(III) óxido* Co_2O_3 *M* = 165,86 g/mol	PF. BLT. *2824*	1 kg 50 kg	290,— price on request	246,50	232,—	223,30
	Cobalt(III) sodium nitrite see Sodium hexanitrocobaltate(III)						
2941	**Cobalt(II) sulphamate solution** *Cobalt(II) sulfamate en solution / Cobalto(II) sulfamato en solución* $Co(SO_3NH_2)_2$ *M* = 251,11 g/mol 1 L ≈ 1,50 kg assay of Co ..... 11,5—11,6 % density (D_4^{20}) ..... 1,50—1,53 pH (1 + 5) ..... 3—4 lead (Pb) ..... 0,005 % cadmium (Cd) ..... 0,0005 % iron (Fe) ..... 0,001 % copper (Cu) ..... 0,0005 % manganese (Mn) ..... 0,005 % sodium (Na) ..... 0,005 % nickel (Ni) ..... 0,03 % zinc (Zn) ..... 0,001 % chloride (Cl) ..... 0,005 % sulphate (SO_4) ..... 0,2 %	PF. STP. *2845*	2,5 L 45 kg	price on request price on request			
11315 6.1 2811 3	**Cobalt(II) sulphate-7-hydrate** R. G. *Cobalt(II) sulfate-7-hydrate / Cobalto(II) sulfato-7-hidrato* $CoSO_4 \cdot 7H_2O$ *M* = 281,10 g/mol assay ..... min. 99 % insoluble in water ..... max. 0,005 % lead (Pb) ..... max. 0,001 % calcium (Ca) ..... max. 0,01 % iron (Fe) ..... max. 0,001 % potassium (K) ..... max. 0,005 % copper (Cu) ..... max. 0,001 % magnesium (Mg) ..... max. 0,01 % sodium (Na) ..... max. 0,01 % nickel (Ni) ..... max. 0,1 % zinc (Zn) ..... max. 0,002 % chloride (Cl) ..... max. 0,001 % total nitrogen (N) ..... max. 0,002 %	PF. *2838*	250 g	65,—	55,25	52,—	48,75
12932 6.1 2811 3	**Cobalt(II) sulphate-7-hydrate** chem. pure cryst. *Cobalt(II) sulfate-7-hydrate / Cobalto(II) sulfato-7-hidrato* $CoSO_4 \cdot 7H_2O$ *M* = 281,10 g/mol assay ..... 99 % lead (Pb) ..... 0,002 % iron (Fe) ..... 0,005 % nickel (Ni) ..... 0,1 % zinc (Zn) ..... 0,01 % substances not precipitated by ammonium sulphide (as sulphates) ..... 0,5 % chloride (Cl) ..... 0,005 %	PF. PF. *2838*	100 g 500 g	22,75 93,—	19,35 79,05	18,20 74,40	17,05 71,60

AQUANAL® test sets for quantitative analysis of aqueous solutions

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	
12933 C 6.1 2811 3	**Cobalt(II) sulphate-7-hydrate** pure cryst. *Cobalt(II) sulfate-7-hydrate / Cobalto(II) sulfato-7-hidrato* $CoSO_4 \cdot 7H_2O$ $M = 281{,}10$ g/mol assay ..... 99% lead (Pb) ..... 0,005% iron (Fe) ..... 0,005% nickel (Ni) ..... 0,1% zinc (Zn) ..... 0,002% chloride (Cl) 0,05%	PF. PF. S. *2838*	500 g 5 kg 50 kg	57,— 441,— price on request	48,45 366,05	45,60 344,—	4 33
	Cocarboxylase tetrahydrate see Thiaminium pyrophosphoric acid						
39325	**Coenzyme B_{12}** BIOSYNTH® *Coenzyme B_{12} / Coenzima B_{12}* package of 250 mg $C_{72}H_{100}CoN_{18}O_{17}P$ $M = 1579{,}60$ g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	*2938*	1 pack	75,—	63,75	60,—	5
64371	**Colaminphosphoric acid** PROSYNTH® *Acide colaminephosphorique / Acido colaminofosfórico* $NH_2CH_2CH_2OPO_3H_2$ $C_2H_8NO_4P$ $M = 141{,}06$ g/mol assay ..... 99% melting range ..... 237—240 °C	WG. *2923*	5 g	11,—	9,35	8,80	
39112	**Collagen** BIOSYNTH® *Collagène / Colágeno* M = abt.130 000 g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	WG. *3904*	1 g	18,50	15,75	14,80	13
33338 A 3/4 C 3.3 1993 2 +57 °C	*sym.*-**Collidine** R. G. *sym.-Collidine / sim.-Colidina* $N=C(CH_3)CH=C(CH_3)CH=CCH_3$ $C_8H_{11}N$ $M = 121{,}18$ g/mol 1 L ≈ 0,91 kg assay (GC) ..... min. 99% boiling range ..... 169—171 °C density (D_4^{20}) ..... 0,914—0,916 refractive index (n_D^{20}) ..... 1,4980—1,5000 water (according to Karl Fischer) ..... max. 0,1% sulphated ash ..... max. 0,005% heavy metals (as Pb) ..... 0,0005% iron (Fe) ..... max. 0,0001%	FL. FL. *2935*	100 ml 1 L	34,— 257,—	28,90 218,45	27,20 205,60	25 197
24304 A 3/1B C 3.2 2059 2 -18 °C	**Collodion** 6% *Collodion / Colodión* 1 L ≈ 0,80 kg R: 11 S: 9-16-33 disposal: 6	FL. EKS. ZKS. *3903*	1 L 45 kg 45 kg	25,75 price on request price on request	21,90	20,60	19
24303 A 3/1B C 3.2 2059 2 -18 °C	**Collodion** 4%, DAB 6 *Collodion / Colodión* 1 L ≈ 0,75 kg R: 11 S: 9-16-33 disposal: 6	FL. FL. EKS. ZKS. *3903*	500 ml 1 L 45 kg 45 kg	12,— 22,— kg price on request	10,20 18,70 11,50	9,60 17,60	9 16
24306 A 3/1B C 3.2 2059 2 -18 °C	**Collodion** flexible DAB 6 *Collodion / Colodión* 1 L ≈ 0,78 kg R: 11 S: 9-16-33 disposal: 6	FL. EKS. *3903*	1 L 45 kg	44,50 price on request	37,85	35,60	34
	Colophony see Resin						
	Colouring dyes see Photographic dyes						

refer explanations

ode-Number RID/ADR GGVE/GGVS IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	***iso*-Compounds** see also under the name of the radical						
	Congo paper see Indicator and reagent papers						
32651	**Congo red** indicator (C. I. No. 22120, S. No. 360) *Rouge Congo / Rojo Congo* $C_{32}H_{24}N_6O_6S_2$ $M = 652{,}71$ g/mol	WG. WG. *3205*	100 g 1 kg	13,75 80,—	11,70 68,—	11,— 64,—	10,30 61,60
63327 A 6.1/21 C 6.1 1544 3	**DL-Coniine hydrobromide** PROSYNTH® *DL-Coniine bromhydrate / DL-Coniina bromhidrato* $\underline{NH(CH_2)_4}CHCH_2CH_2CH_3 \cdot HBr$ $C_8H_{18}BrN$ $M = 208{,}14$ g/mol assay ..... 95% melting range ..... 189—191 °C R: 23/24/25 S: 1-13-45 disposal: 10	FL. *2942*	1 g	99,—	84,15	79,20	74,25
36023 A 3/5 C 3.2 1142 2 +11 °C	**Cooper's indicator (mixed)** for the determination of the hardness of carbonates and carbonic acid in water *Indicateur combinéd'aprèsCooper / Indicador combinado según Cooper* 1 L ≈ 0,80 kg R: 11 S: 7-16 disposal: 6	PF. PF. *3819*	250 ml 1 L	19,— 55,50	16,15 47,20	15,20 44,40	14,25 42,75
74202 A 3/4 +89 °C	**Copaiba balsam "Riedel"** *Baume de copahu "Riedel" / Bálsamo copaiba "Riedel"*	EKL. *3304*	30 kg	price on request			
31284	**Copper** R. G., electrolytic, wire, Reag. Ph. Eur. I *Cuivre / Cobre* Cu $M = 63{,}55$ g/mol assay ..... min. 99,9% insoluble in nitric acid ..... max. 0,02% antimony and tin (as Sn) ..... max. 0,01% arsenic (As) ..... max. 0,0005% lead (Pb) ..... max. 0,005% iron (Fe) ..... max. 0,005% manganese (Mn) ..... max. 0,001% silver (Ag) ..... max. 0,001% phosphorus (P) ..... max. 0,001%	PF. PF. PF. *7403*	100 g 250 g 1 kg	16,75 38,25 126,—	14,25 32,50 107,10	13,40 30,60 100,80	12,55 28,70 97,—
12816	**Copper** foil 0,1 mm *Cuivre / Cobre* Cu $M = 63{,}54$ g/mol assay 99,8%	P. P. *7405*	250 g 1 kg	16,— 47,50	13,60 40,40	12,80 38,—	12,— 36,60
12809	**Copper** granular *Cuivre / Cobre* Cu $M = 63{,}55$ g/mol assay ..... 99,8% granulation ..... 0,2—0,6 mm	PF. PF. PF. *7406*	250 g 1 kg 2,5 kg	15,50 45,— 99,—	13,20 38,25 82,15	12,40 36,— 77,20	11,65 34,65 74,25
12804	**Copper** turnings *Cuivre / Cobre* Cu $M = 63{,}55$ g/mol assay ..... 99,8% lead (Pb) ..... 0,005% iron (Fe) ..... 0,005% nickel (Ni) ..... 0,005% silver (Ag) 0,005%	K. K. *7401*	250 g 1 kg	13,75 39,—	11,70 33,15	11,— 31,20	10,30 30,05
12823	**Copper** slabs *Cuivre / Cobre* Cu $M = 63{,}55$ g/mol	PF. FTP. *7401*	1 kg 100 kg	38,75 price on request	32,95	31,—	29,85

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12806	**Copper** powder *Cuivre / Cobre* Cu $M = 63{,}55$ g/mol assay ..... 99,8% granulation ..... abt. 0,04 mm	BL.	250 g	13,75	11,70	11,—	10
		BL.	1 kg	40,25	34,20	32,20	31
		BL.	2,5 kg	87,50	72,65	68,25	65
		FTP.	50 kg	kg	14,—		
		7406					
12807	**Copper** finest powder *Cuivre / Cobre* Cu $M = 63{,}55$ g/mol assay ..... 99% soluble in ether 0,5%	BL.	250 g	18,50	15,75	14,80	13,
		BL.	1 kg	54,—	45,90	43,20	41,
		BL.	2,5 kg	119,—	98,75	92,80	89,
		7406					
38608	**0,100 g Copper** FIXANAL® water-soluble standard for atom absorption *0,100 g Cuivre / 0,100 g Cobre* ampoule	*3819*	1 pack	10,25	8,70	8,20	7,
38657 A 3/3 C 3.3 1115 2 +25 °C R: 10	**0,100 g** *organo*-**Copper** FIXANAL® petroleum ether-soluble standard for atom absorption *0,100 g organo-Cuivre / 0,100 g organo-Cobre* ampoule	*3819*	1 pack	33,75	28,70	27,—	25,
38564	**1,00 g Copper** FIXANAL® watersoluble standard for atom absorption *1,00 g Cuivre / 1,00 g Cobre* ampoule	*3819*	1 pack	10,25	8,70	8,20	7,
38875	**10,00 g Copper** FIXANAL® as Copper(II) chloride *10,00 g Cuivre / 10,00 g Cobre* ampoule	*3819*	1 pack	18,75	15,95	15,—	14,
38880	**10,00 g Copper** FIXANAL® as Copper(II) sulphate *10,00 g Cuivre / 10,00 g Cobre* ampoule	*3819*	1 pack	18,75	15,95	15,—	14,
12811	**Copper acetate basic** purified powder *Cuivre acétate basique / Cobre acetato básico*	*2914*					
32315	**Copper(II) acetate monohydrate** R. G., Reag. ACS, Reag. Ph. Eur. I *Cuivre(II) acétate monohydrate / Cobre(II) acetato monohidrato* $Cu(CH_3COO)_2 \cdot H_2O$ $C_4H_6CuO_4 \cdot H_2O$ $M = 199{,}65$ g/mol assay ..... min. 99% in diluted acetic acid insoluble ..... max. 0,01% lead (Pb) ..... max. 0,004% calcium (Ca) ..... max. 0,005% iron (Fe) ..... max. 0,002% potassium (K) ..... max. 0,01% magnesium (Mg) ..... max. 0,001% sodium (Na) ..... max. 0,01% nickel (Ni) ..... max. 0,002% zinc (Zn) ..... max. 0,002% chloride (Cl) ..... max. 0,001% sulphate (SO_4) ..... max. 0,01% total nitrogen (N) ..... max. 0,03%	PF.	100 g	10,—	8,50	8,—	7,
		PF.	250 g	19,75	16,80	15,80	14,
		PF.	1 kg	58,50	49,75	46,80	45,
		FTP.	50 kg	price on request			
		2914					
25038	**Copper(II) acetate monohydrate** pure cryst. Erg. B. 6 *Cuivre(II) acétate monohydrate / Cobre(II) acetato monohidrato* $Cu(CH_3COO)_2 \cdot H_2O$ $C_4H_6CuO_4 \cdot H_2O$ $M = 199{,}65$ g/mol assay of Cu ..... 31% lead (Pb) ..... 0,002% iron (Fe) ..... 0,005% zinc (Zn) ..... 0,005% chloride (Cl) ..... 0,01% sulphate (SO_4) 0,5%	PF.	500 g	16,75	14,25	13,40	12,
		PF.	1 kg	30,25	25,70	24,20	23,
		S.	50 kg	kg	11,25		
		S.	5x	kg	10,85		
		2914					

refer explanations

le-Number ID/ADR GVE/GGVS MDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	Copper acetate basic see Copper(II) acetate monohydrate						
720	**Copper(II) acetylacetonate PROSYNTH®** *Cuivre(II) acétylacétonate / Cobre(II) acetilacetonato* $Cu(C_5H_7O_2)_2$ $C_{10}H_{14}CuO_4$ $M = 261,76$ g/mol assay (ex Cu) ..... 99% melting range ..... 243–245 °C (disint.)	PF. *2945*	50 g	11,–	9,35	8,80	8,25
2886	**Copper(II) aminoacetate** *Cuivre(II) aminoacétate / Cobre(II) aminoacetato* $Cu(H_2N \cdot CH_2COO)_2 \cdot H_2O$ $C_4H_8CuN_2O_4 \cdot H_2O$ $M = 229,67$ g/mol	PF. FTP. *2923*	1 kg 25 kg	122,50 price on request	104,15	98,–	94,35
	Copper(II) ammonium chloride see Ammonium chlorocuprate(II)						
	Copper(II) borofluoride solution see Copper(II) fluoroborate solution						
12116	**Copper(I) bromide** *Cuivre(I) bromure / Cobre(I) bromuro* CuBr $M = 143,45$ g/mol assay ..... 99% insoluble in hydrochloric acid ..... 0,02% arsenic (As) ..... 0,005% iron (Fe) ..... 0,05% substances not precipitated by hydrogen sulphide (as sulphates) ..... 0,3% sulphate (SO_4) 0,5%	WG. WG. FT. *2830*	100 g 1 kg 50 kg	10,25 72,50 price on request	8,70 61,65	8,20 58,–	7,70 55,85
12115	**Copper(II) bromide** *Cuivre(II) bromure / Cobre(II) bromuro* $CuBr_2$ $M = 223,35$ g/mol assay ..... 99% arsenic (As) ..... 0,005% iron (Fe) ..... 0,05% substances not precipitated by hydrogen sulphide (as sulphates) ..... 0,3% sulphate (SO_4) 0,5%	WG. WG. WG. FT. *2830*	100 g 500 g 1 kg 50 kg	12,50 50,50 93,– price on request	10,65 42,95 79,05	10,– 40,40 74,40	9,40 38,90 71,60
	Copper(II) carbonate basic see Copper(II) hydroxide carbonate						
14146	***RCH* Copper catalyst VP 60/35** pellets 60 wt.% Cu/silicon dioxide, not reduced *Catalyseur RCH cuivre VP 60/35 / Catalizador de cobre RCH VP 60/35* assay of Cu ..... 60% standard size ..... 6 × 5 mm pour weight ..... 0,9 g/ml	WG. WG. *3819*	100 g 500 g	19,75 72,–	16,80 61,20	15,80 57,60	14,80 55,45
31287	**Copper(I) chloride** R. G., Reag. ACS, Reag. Ph. Eur. I *Cuivre(I) chlorure / Cobre(I) chloruro* CuCl $M = 99,00$ g/mol assay ..... min. 98% insoluble in hydrochloric acid/nitric acid ... max. 0,02% arsenic (As) ..... max. 0,0001% lead (Pb) ..... max. 0,02% iron (Fe) ..... max. 0,002% substances not precipitated by hydrogen sulphide (as sulphates) ..... max. 0,2% sulphate (SO_4) ..... max. 0,04%	PF. PF. PF. FTP. *2830*	100 g 250 g 1 kg 50 kg	11,– 22,– 66,50 kg	9,35 18,70 56,55 36,–	8,80 17,60 53,20	8,25 16,50 51,20
12822	**Copper(I) chloride** pure *Cuivre(I) chlorure / Cobre(I) cloruro* CuCl $M = 99,00$ g/mol assay ..... 99% iron (Fe) ..... 0,01% substances not precipitated by hydrogen sulphide (as sulphates) ..... 0,2% sulphate (SO_4) 0,01%	PF. FTP. *2830*	1 kg 50 kg	48,– price on request	40,80	38,40	36,95

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36060	**Copper(I) chloride solution** for absorption of carbon oxide according to Orsat *Cuivre(I) chlorure en solution / Cobre(I) cloruro en solución* 1 L ≈ 1,14 kg	FL. FL. *3819*	1 L 2,5 L	20,50 44,—	17,45 36,50	16,40 34,30	15,8 33,-
31286	**Copper(II) chloride-2-hydrate** R. G. *Cuivre(II) chlorure-2-hydrate / Cobre(II) cloruro-2-hidrato* $CuCl_2 \cdot 2H_2O$ $M = 170{,}48$ g/mol assay ..... min. 99% insoluble in water ..... max. 0,005% pH (5%, 20 °C) ..... 3,0—3,8 arsenic (As) ..... max. 0,0001% lead (Pb) ..... max. 0,004% calcium (Ca) ..... max. 0,002% iron (Fe) ..... max. 0,002% potassium (K) ..... max. 0,002% magnesium (Mg) ..... max. 0,002% sodium (Na) ..... max. 0,002% nickel (Ni) ..... max. 0,005% sulphate (SO_4) ..... max. 0,005% total nitrogen (N) ..... max. 0,004%	PF. PF. PF. FTP. *2830*	100 g 500 g 1 kg 50 kg	9,50 29,50 54,— kg	8,10 25,10 45,90 28,75	7,60 23,60 43,20	7,1 22,7 41,6
12825	**Copper(II) chloride-2-hydrate** chem. pure *Cuivre(II) chlorure-2-hydrate / Cobre(II) cloruro-2-hidrato* $CuCl_2 \cdot 2H_2O$ $M = 170{,}48$ g/mol assay ..... 99% arsenic (As) ..... 0,0005% calcium (Ca) ..... 0,01% iron (Fe) ..... 0,005% potassium (K) ..... 0,01 magnesium (Mg) ..... 0,01% sodium (Na) ..... 0,01% sulphate (SO_4) ..... 0,01% total nitrogen (N) 0,01%	PF. PF. PF. FTP. *2830*	500 g 1 kg 5 kg 50 kg	20,75 38,— 143,50 price on request	17,65 32,30 119,10	16,60 30,40 111,95	16,- 29,2 107,6
12827	**Copper(II) chloride-2-hydrate** technical *Cuivre(II) chlorure-2-hydrate / Cobre(II) cloruro-2-hidrato* $CuCl_2 \cdot 2H_2O$ $M = 170{,}48$ g/mol assay ..... 97% iron (Fe) ..... 0,03% sulphate (SO_4) 0,1%	PF. PF. S. *2830*	1 kg 5 kg 50 kg	23,— 86,50 price on request	19,55 71,80	18,40 67,45	17,7 64,9
11818 A 6.1/31A C 6.1 1587 2	**Copper(I) cyanide** *Cuivre(I) cyanure / Cobre(I) cianuro* CuCN $M = 89{,}56$ g/mol R: 26/27/28-32 S: 1/2-7-28-29-45 disposal: 22	PF. *2843*	250 g	12,50	10,65	10,—	9,4
04254	**Copper diphosphate** for electroplating *Cuivre diphosphate / Cobre difosfato* $Cu_2P_2O_7 \cdot 3H_2O$ $M = 355{,}08$ g/mol assay of copper (Cu) ..... 34—36% loss on ignition (800 °C, 1 h) ..... 15—19% lead (Pb) ..... 0,005% calcium (Ca) ..... 0,02% iron (Fe) ..... 0,01% sodium (Na) ..... 2% chloride (Cl) ..... 0,01% phosphate (PO_4) ..... 2% sulphate (SO_4) 0,2%	S. *2840*	25 kg	price on request			
10404 C 6.1 2811 3	**Copper(II) fluoride** *Cuivre(II) fluorure / Cobre(II) fluoruro* CuF_2 $M = 101{,}54$ g/mol	WG. *2829*	10 g	34,25	29,10	27,40	25,70

de-Number ID/ADR GVE/GGVS MDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
547	**Copper(II) fluoroborate solution** 50% for electroplating *Cuivre(II) fluoroborate en solution / Cobre(II) fluoroborato en solución* $Cu(BF_4)_2$ *M* = 237,15 g/mol **1 L ≈ 1,58 kg** assay of Cu ..... 13,3–13,6% free fluoroboric acid (HBF_4) ..... 1–3% free boric acid (H_3BO_3) ..... 1–2% lead (Pb) ..... 0,002% iron (Fe) ..... 0,002% cobalt (Co) ..... 0,0005% nickel (Ni) ..... 0,0005% zinc (Zn) ..... 0,001% chloride (Cl) ..... 0,002% sulphate (SO_4) 0,03%	PF. FPF. *2829*	1 L 45 kg	26,25 price on request	22,30	21,–	20,20
1548	**Copper(II) fluoroborate solution** 50% special for electroplating *Cuivre(II) fluoroborate en solution / Cobre(II) fluoroborato en solución* $Cu(BF_4)_2$ *M* = 237,15 g/mol **1 L ≈ 1,58 kg** assay of Cu ..... 13,3–13,6% free fluoroboric acid (HBF_4) ..... 1–3% free boric acid (H_3BO_3) ..... 1–2% lead (Pb) ..... 0,05% iron (Fe) ..... 0,002% cobalt (Co) ..... 0,0005% nickel (Ni) ..... 0,0005% zinc (Zn) ..... 0,001% chloride (Cl) ..... 0,002% chloride (Cl) ..... 0,002% sulphate (SO_4) 0,002%	PF. FPF. *2829*	1 L 45 kg	31,25 price on request	26,55	25,–	24,05
	Copper glycocoll see Copper(II) aminoacetate						
2830	**Copper(II) hydroxide carbonate** green chem. pure *Cuivre(II) hydroxyde carbonate / Cobre(II) hidróxido-carbonato* $CuCO_3 \cdot Cu(OH)_2 \cdot ca.0{,}5H_2O$ *M* = (anhydrous) 221,12 g/mol assay of Cu ..... 54–56% lead (Pb) ..... 0,005% iron (Fe) ..... 0,01% sodium (Na) ..... 0,2% nickel (Ni) ..... 0,1% zinc (Zn) ..... 0,005% chloride (Cl) ..... 0,01% sulphate (SO_4) 0,02%	PF. PF. PF. FTP. *2842*	250 g 1 kg 2,5 kg 50 kg	14,50 41,75 91,50 price on request	12,35 35,50 75,95	11,60 33,40 71,35	10,90 32,15 68,65
2831	**Copper(II) hydroxide carbonate** green technical *Cuivre(II) hydroxyde carbonate / Cobre(II) hidróxido-carbonato* $CuCO_3 \cdot Cu(OH)_2 \cdot ca.0{,}5H_2O$ *M* = (anhydrous) 221,12 g/mol assay of Cu ..... 54–56% iron (Fe) ..... 0,03% chloride (Cl) ..... 0,3% sulphate (SO_4) 0,05%	PF. PF. S. *2842*	1 kg 2,5 kg 50 kg	30,– 64,50 price on request	25,50 53,55	24,– 50,30	23,10 48,40
22016	**Copper-8-hydroxyquinoline** *Cuivre-8-hydroxyquinoléine / Cobre-8-hidroxiquinolina* $Cu(OC_9H_6N)_2$ $C_{18}H_{12}CuN_2O_2$ *M* = 351,85 g/mol assay ..... 99,5% loss on drying (105 °C) 0,5%	WG. *2935*	500 g	55,50	47,20	44,40	42,75
03140	**Copper(I) iodide** pure *Cuivre(I) iodure / Cobre(I) yoduro* CuJ *M* = 190,45 g/mol assay ..... 99,5% iron (Fe) ..... 0,005% sulphate (SO_4) 0,5%	WG. WG. FTP. *2830*	100 g 1 kg 25 kg	19,50 146,50 price on request	16,60 124,55	15,60 117,20	14,65 112,80

Code-Number A) RID-ADR B) GGVS/GGVS C) IMCG-CODE (GGVSee)		Type of package & T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)
03126	**Copper(I) iodide** technical *Cuivre(I) iodure / Cobre(I) yoduro* CuJ M = 190,45 g/mol	WG FTP. 2630	1 kg 50 kg	129,50 price on request	110,10	103,60
03141	**Copper(I) iodide** feed grade *Cuivre(I) iodure / Cobre(I) yoduro* CuJ M = 190,45 g/mol assay of copper (Cu) ..... 32,7 % assay of iodine (I) ..... 66,1 % arsenic (As) ..... 0,0005 % lead (Pb) ..... 0,005 % chromium (Cr) ..... 0,003 %	WG. FTP. 2630	1 kg 50 kg	84,50 price on request	71,85	67,60
31288 C 5.1 1477 2	**Copper(II) nitrate-3-hydrate** R. G., Reag. ACS, Reag. Ph. Eur. I *Cuivre(II) nitrate-3-hydrate / Cobre(II) nitrato-3-hidrato* $Cu(NO_3)_2 \cdot 3H_2O$ M = 241,60 g/mol assay ..... 99 – 102 % insoluble in water ..... max. 0,01 % pH (5 %, 20 °C) ..... 3,5 – 4,5 lead (Pb) ..... max. 0,001 % calcium (Ca) ..... max. 0,005 % iron (Fe) ..... max. 0,002 % potassium (K) ..... max. 0,01 % magnesium (Mg) ..... max. 0,001 % sodium (Na) ..... max. 0,01 % nickel (Ni) ..... max. 0,002 % zinc (Zn) ..... max. 0,001 % chloride (Cl) ..... max. 0,001 % sulphate (SO_4) ..... max. 0,005 %	PF. PF. FTP. 2839	250 g 1 kg 50 kg	12,— 36,25 kg 18,25	10,20 30,80	9,60 29,—
12839 C 5.1 1477 2	**Copper(II) nitrate-3-hydrate** chem. pure *Cuivre(II) nitrate-3-hydrate / Cobre(II) nitrato-3-hidrato* $Cu(NO_3)_2 \cdot 3H_2O$ M = 241,60 g/mol assay ..... 99 % pH (5 %, 20 °C) ..... 3,0 – 4,5 lead (Pb) ..... 0,01 % calcium (Ca) ..... 0,01 % iron (Fe) ..... 0,005 % sodium (Na) ..... 0,01 % chloride (Cl) ..... 0,002 % sulphate (SO_4) ..... 0,005 %	PF. PF. PF. FTP. 2839	500 g 1 kg 2,5 kg 25 kg	13,25 23,75 51,— price on request	11,25 20,20 42,35	10,60 19,— 39,80
12837 C 5.1 1477 2	**Copper(II) nitrate-3-hydrate** pure *Cuivre(II) nitrate-3-hydrate / Cobre(II) nitrato-3-hidrato* $Cu(NO_3)_2 \cdot 3H_2O$ M = 241,60 g/mol assay ..... 99 % iron (Fe) ..... 0,01 % chloride (Cl) ..... 0,005 % sulphate (SO_4) ..... 0,01 %	PF. PF. PF. S. 2839	500 g 1 kg 2,5 kg 50 kg	12,— 22,25 47,— price on request	10,20 18,90 39,—	9,60 17,80 36,65
31291	**Copper oxide** R. G. wire, containing CuO and Cu_2O *Cuivre oxyde / Cobre óxido* assay of Cu_2O ..... ca. 80 % assay of CuO ..... ca. 20 % free alkali ..... passes test carbon (C) ..... max. 0,01 % substances not precipitated by hydrogen sulphide (as sulphates) ..... max. 0,2 % chloride (Cl) ..... max. 0,004 % total sulphur (as SO_4) ..... max. 0,01 % total nitrogen (N) ..... max. 0,005 %	PF. PF. 2828	250 g 1 kg	20,25 65,—	17,20 55,25	16,20 52,—
12844	**Copper oxide** pure wire *Cuivre oxyde / Cobre oxido*	PF. PF. 2828	250 g 1 kg	19,75 62,50	16,80 53,15	15,80 50,—
12841	**Copper(I) oxide** red *Cuivre(I) oxyde / Cobre(I) oxido* Cu_2O M = 143,09 g/mol assay of Cu ..... 87,5 % lead (Pb) ..... 0,005 % iron (Fe) ..... 0,005 % nickel (Ni) ..... 0,005 % silver (Ag) ..... 0,005 %	PF. PF. S BLT. 2828	500 g 5 kg 50 kg 100 kg	23,50 181,— price on request price on request	20,— 150,25	18,80 141,20

refer explanations

le-Number D/ADR GVE/GGVS MDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
292	**Copper(II) oxide** R. G. powder *Cuivre(II) oxyde / Cobre(II) óxido* CuO *M* = 79,55 g/mol assay ..... min. 99% insoluble in hydrochloric acid ..... max. 0,02% free alkali ..... passes test lead (Pb) ..... max. 0,05% iron (Fe) ..... max. 0,05% substances not precipitated by hydrogen sulphide (as sulphates) ..... max. 0,2% chloride (Cl) ..... max. 0,005% total sulphur (as SO_4) ..... max. 0,01% total nitrogen (N) ..... max. 0,002%	WG. WG. WG. *2828*	100 g 250 g 1 kg	16,50 31,25 102,50	14,05 26,55 87,15	13,20 25,— 82,—	12,40 23,45 78,95
289	**Copper(II) oxide** R. G. granular *Cuivre(II) oxyde / Cobre(II) óxido* CuO *M* = 79,55 g/mol assay ..... min. 99% insoluble in hydrochloric acid ..... max. 0,02% free alkali ..... passes test lead (Pb) ..... max. 0,05% iron (Fe) ..... max. 0,05% substances not precipitated by hydrogen sulphide (as sulphates) ..... max. 0,2% chloride (Cl) ..... max. 0,005% total sulphur (as SO_4) ..... max. 0,01% total nitrogen (N) ..... max. 0,02%	PF. PF. *2828*	250 g 1 kg	31,25 102,50	26,55 87,15	25,— 82,—	23,45 78,95
2845	**Copper(II) oxide** pure powder *Cuivre(II) oxyde / Cobre(II) óxido* CuO *M* = 79,55 g/mol assay ..... 98% lead (Pb) ..... 0,01% iron (Fe) ..... 0,03% chloride (Cl) ..... 0,2% sulphate (SO_4) 0,05%	PF. PF. FTP. *2828*	250 g 1 kg 50 kg	23,— 77,—	19,55 65,45 price on request	18,40 61,60	17,25 59,30
2867	**Copper(II) oxide** technical powder heavy *Cuivre(II) oxyde / Cobre(II) óxido* CuO *M* = 79,55 g/mol assay 98%	PF. PF. *2828*	1 kg 2,5 kg	37,25 79,50	31,65 66,—	29,80 62,—	28,70 59,65
1293	**Copper(II) sulphate-5-hydrate** R. G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I *Cuivre(II) sulfate-5-hydrate / Cobre(II) sulfato-5-hidrato* $CuSO_4 \cdot 5H_2O$ *M* = 249,69 g/mol assay ..... min. 99% insoluble in water ..... max. 0,005% lead (Pb) ..... max. 0,002% calcium (Ca) ..... max. 0,001% iron (Fe) ..... max. 0,002% potassium (K) ..... max. 0,001% magnesium (Mg) ..... max. 0,0005% sodium (Na) ..... max. 0,002% nickel (Ni) ..... max. 0,002% zinc (Zn) ..... max. 0,001% chloride (Cl) ..... max. 0,001% total nitrogen (N) ..... max. 0,001%	PF. PF. FTP. *2838*	500 g 1 kg 50 kg	15,50 28,— kg	13,20 23,80 13,40	12,40 22,40	11,95 21,55
11294	**Copper(II) sulphate** R. G. anhydrous *Cuivre(II) sulfate / Cobre(II) sulfato* $CuSO_4$ *M* = 159,61 g/mol assay ..... min. 98% insoluble in water ..... max. 0,02% iron (Fe) ..... max. 0,005% nickel (Ni) ..... max. 0,005% substances not precipitated by hydrogen sulphide (as sulphates) ..... max. 0,2% chloride (Cl) ..... max. 0,01% total nitrogen (N) ..... max. 0,01%	PF. PF. *2838*	250 g 1 kg	18,— 57,50	15,30 48,90	14,40 46,—	13,50 44,30
12852	**Copper(II) sulphate** anhydrous *Cuivre(II) sulfate / Cobre(II) sulfato* $CuSO_4$ *M* = 159,61 g/mol assay ..... 97% iron (Fe) ..... 0,3% chloride (Cl) 0,1%	PF. PF. S. *2838*	250 g 1 kg 50 kg	13,25 34,75	11,25 29,55 price on request	10,60 27,80	9,95 26,75

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
17853	**Copper(II) sulphate-5-hydrate** PURANAL® *Cuivre(II) sulfate-5-hydrate / Cobre(II) sulfato-5-hidrato* $CuSO_4 \cdot 5H_2O$ $M = 249{,}69$ g/mol analytical data on request	PF. FTP. *2838*	5 kg 50 kg	price on request price on request			
12849	**Copper(II) sulphate-5-hydrate** chem. pure cryst. B. P. C. 1973, N. F. XIV *Cuivre(II) sulfate-5-hydrate / Cobre(II) sulfato-5-hidrato* $CuSO_4 \cdot 5H_2O$ $M = 249{,}69$ g/mol assay ..... 99,5% pH (5%, 20 °C) ..... 3,7–5,0 arsenic (As) ..... 0,0005% lead (Pb) ..... 0,002% iron (Fe) ..... 0,01% nickel (Ni) ..... 0,01% zinc (Zn) ..... 0,005% substances not precipitated by hydrogen sulphide (as sulphates) ..... 0,2% chloride (Cl) 0,002%	PF. PF. PF. S. *2838*	500 g 1 kg 5 kg 50 kg	11,– 19,75 77,– price on request	9,35 16,80 63,90	8,80 15,80 60,05	8,4 15,2 57,7
12850	**Copper(II) sulphate-5-hydrate** chem. pure powder *Cuivre(II) sulfate-5-hydrate / Cobre(II) sulfato-5-hidrato* $CuSO_4 \cdot 5H_2O$ $M = 249{,}69$ g/mol assay ..... 99–101% arsenic (As) ..... 0,005% iron (Fe) ..... 0,01% substances not precipitated by hydrogen sulphide (as sulphates) ..... 0,2% chloride (Cl) 0,002%	PF. PF. S. *2838*	1 kg 5 kg 50 kg	21,– 80,50 price on request	17,85 66,80	16,80 62,80	16,1 60,4
12853	**Copper(II) sulphate-5-hydrate** crude cryst. DAB 6 *Cuivre(II) sulfate-5-hydrate / Cobre(II) sulfato-5-hidrato* $CuSO_4 \cdot 5H_2O$ $M = 249{,}69$ g/mol assay ..... 99% lead (Pb) ..... 0,005% iron (Fe) ..... 0,1% zinc (Zn) 0,01%	PF. PF. S. *2838*	1 kg 5 kg 50 kg	12,75 47,– price on request	10,85 39,–	10,20 36,65	9,8 35,2
12855	**Copper(II) sulphate-5-hydrate** crude powder *Cuivre(II) sulfate-5-hydrate / Cobre(II) sulfato-5-hidrato* $CuSO_4 \cdot 5H_2O$ $M = 249{,}69$ g/mol	PF. PF. S. *2838*	1 kg 5 kg 50 kg	13,75 51,– price on request	11,70 42,35	11,– 39,80	10,6 38,2
12887	**Copper(II) sulphate-5-hydrate** for electroplating *Cuivre(II) sulfate-5-hydrate / Cobre(II) sulfato-5-hidrato* $CuSO_4 \cdot 5H_2O$ $M = 249{,}68$ g/mol assay ..... 98% adhering moisture ..... 2% lead (Pb) ..... 0,002% calcium (Ca) ..... 0,0005% iron (Fe) ..... 0,002% cobalt (Co) ..... 0,0005% sodium (Na) ..... 0,002% nickel (Ni) ..... 0,0005% zinc (Zn) ..... 0,0005% chloride (Cl) 0,002%	S. *2838*	50 kg	price on request			
12896	**Copper(II) sulphate solution** 13% for electroplating *Cuivre(II) sulfate en solution / Cobre(II) sulfato en solución* $CuSO_4$ $M = 159{,}61$ g/mol **1 L ≈ 1,14 kg** assay of $CuSO_4$ ..... 13,0–13,2% free acid (H_2SO_4) ..... 0,1% lead (Pb) ..... 0,002% calcium (Ca) ..... 0,0005% iron (Fe) ..... 0,0005% cobalt (Co) ..... 0,0005% sodium (Na) ..... 0,0005% nickel (Ni) ..... 0,001% zinc (Zn) ..... 0,0005% chloride (Cl) 0,0005%	PF. FPF. *2838*	1 L 65 kg	14,50 price on request	12,35	11,60	11,15

refer explanations

n-Number / /ADR / VE/GGVS / DG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	Copper(II) sulphate solution according to Fehling see Fehling's solution						
	Cork acid see Suberic acid						
	Cork acid diethylester see Diethyl suberate						
	COTAL® chemicals for vacuum deposition (formerly described as "chemically pure for coating lenses" = Barium fluoride, Calcium fluoride, Cryolite, Lead fluoride, Lithium fluoride, Magnesium fluoride, Zinc sulphide						
	Cream of tartar see Potassium hydrogen tartrate						
704	**Creatine monohydrate** chem. pure *Créatine monohydratée / Creatina monohidrato* $HN=C(NH_2)N(CH_3)CH_2COOH[\cdot]H_2O$ $C_4H_9N_3O_2 \cdot H_2O$ $M = 149{,}15$ g/mol	WG. *2926*	50 g	29,50	25,10	23,60	22,15
265	**Creatinephosphoric acid disodium salt hexahydrate** BIOSYNTH® *Acide créatinephosphorique, sel disodique hexahydrate / Acido creatinfosfórico, sal disódica hexahidrato* $C_4H_8N_3Na_2O_5P \cdot 6H_2O$ $M = 363{,}17$ g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	FL. *2926*	1 g	28,75	24,45	23,—	21,55
705	**Creatinine** chem. pure *Créatinine / Creatinina* $H_3CNC(=NH)NHCOCH_2$ $C_4H_7N_3O$ $M = 113{,}12$ g/mol	WG. *2935*	25 g	21,50	18,30	17,20	16,15
5722	**Creatinine hydrochloride** chem. pure *Créatinine chlorhydrate / Creatinina clorhidrato* $H_3CNC(=NH)NHCOCH_2 \cdot HCl$ $C_4H_8ClN_3O$ $M = 149{,}58$ g/mol	WG. *2935*	10 g	14,25	12,10	11,40	10,70
5712 3/4 74 °C	**Creosote** from beechwood DAB 6 *Créosote / Creosota* **1 L ≈ 1,08 kg** congealing point ..... less than −20 °C boiling range ..... 200–220 °C density (D_4^{20}) ..... 1,080–1,090 sulphated ash ..... 0,01 %	FL. FL. STP. *3809*	500 ml 1 L 30 kg	36,— 63,50 price on request	30,60 54,—	28,80 50,80	27,70 48,90
5707 6.1/22A 6.1 2076 2	**Cresol** crude DAB 6 *Crésol / Cresol* **1 L ≈ 1,03 kg** R: 24/25-34 S: 2-28-44 disposal: 6	FL. STP. *2707*	1 L 30 kg	20,— kg	17,— 11,30	16,—	15,40
5708 6.1/22A 6.1 2076 2 81 °C	**o-Cresol** chem. pure, Reag. Ph. Eur. I *o-Crésol / o-Cresol* $C_6H_4(OH)CH_3$ C_7H_8O $M = 108{,}14$ g/mol **1 L ≈ 1,04 kg** assay (GC) ..... 98,5 % congealing range ..... 30,5–31 °C boiling range ..... 189–191 °C non-volatile matter ..... 0,05 % R: 24/25-34 S: 2-28-44 disposal: 6	FL. STP. *2906*	1 L 25 kg	19,75 kg	16,80 9,30	15,80	15,20

HYDRANAL® a new Karl Fischer reagent

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96 (16 Bo
33340 A 6.1/22A C 6.1 2076 2 +86 °C	**m-Cresol** R. G. *m-Crésol / m-Cresol* $C_6H_4(OH)CH_3$ C_7H_8O *M* = 108,14 g/mol **1 L ≈ 1,03 kg** assay (GC) ..... min. 99,5 % congealing point ..... + 11 °C boiling range ..... 200—203 °C non-volatile matter ..... max. 0,05 % R: 24/25-34 S: 2-28-44 disposal: 6	FL. *2906*	500 ml	35,50	30,20	28,40	27
15709 A 6.1/22A C 6.1 2076 2 +86 °C	**m-Cresol** chem. pure *m-Crésol / m-Cresol* $C_6H_4(OH)CH_3$ C_7H_8O *M* = 108,14 g/mol **1 L ≈ 1,03 kg** assay (GC) ..... 99,5 % congealing point ..... 11 °C boiling range ..... 200—203 °C non-volatile matter ..... 0,05 % R: 24/25-34 S: 2-28-44 disposal: 6	FL. STP. *2906*	1 L 25 kg	62,— kg	52,70 25,—	49,60	47,
15711 A 6.1/22A C 6.1 2076 2 +86 °C	**p-Cresol** chem. pure cryst. *p-Crésol / p-Cresol* $C_6H_4(OH)CH_3$ C_7H_8O *M* = 108,14 g/mol **1 L ≈ 1,03 kg** assay (GC) ..... 99,5 % congealing range ..... 34—35 °C boiling range ..... 199—201 °C non-volatile matter ..... 0,05 % R: 24/25-34 S: 2-28-44 disposal: 6	FL. *2906*	500 g	18,50	15,75	14,80	14,
33342	**o-Cresolphthalein** indicator *o-Crésolphtaléine / o-Cresolftaleína* $C_{22}H_{18}O_4$ *M* = 346,38 g/mol	WG. *2935*	5 g	26,75	22,75	21,40	20,0
32652	**m-Cresol purple** indicator *Pourpre de m-crésol / Púrpura de m-cresol* $C_{21}H_{18}O_5S$ *M* = 382,44 g/mol	FL. *2937*	1 g	11,50	9,80	9,20	8,6
32653	**Cresol red** indicator *Rouge de crésol / Rojo de cresol*	WG. WG. *2937*	10 g 25 g	12,50 27,25	10,65 23,15	10,— 21,80	9,4 20,4
07407 A 8 C 8 1760 2	**Cresolsulphonic acid** 80 % crude *Acide crésolsulfurique / Acido cresolsulfúrico* **1 L ≈ 1,37 kg** assay of cresolsulphonic acid ..... abt. 80 % assay of free sulphuric acid ..... abt. 5 % R: 20/21/22-38 S: 1-13 disposal: 1	FL. STP. *3813*	1 L 40 kg	25,75 kg	21,90 11,65	20,60	19,8
07408 A 8 C 8 1760 2	**Cresolsulphonic acid** 60 % crude *Acide crésolsulfurique / Acido cresolsulfúrico* **1 L ≈ 1,24 kg** assay of cresolsulphonic acid ..... abt. 60 % assay of free sulphuric acid ..... abt. 5 % R: 20/21/22-38 S: 1-13 disposal: 1	FL. STP. *3813*	1 L 35 kg	22,50 kg	19,15 10,45	18,—	17,3
	o-Cresolsulphonphthalein see Cresol red						
	m-Cresolsulphonphthalein see m-Cresol purple						
	o-Cresolsulphonphthalein-bis-(methylimino diacetic acid) tetrasodium salt see Xylenol orange, tetrasodium salt						
	Cresolsulphuric acid see Cresolsulphonic acid						

de-Number ID/ADR GVE/GGVS MDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
5798	**3-Cresoxyacetic acid** *Acide 3-crésoxyacétique / Acido 3-cresoxiacético* $C_9H_{10}O_3$ *M* = 166,18 g/mol	WG. *3813*	25 g	price on request			
	Cresyl blue see Brilliant cresyl blue						
2364 3/1A 3.2 1143 1 13 °C	**Crotonaldehyde** PROSYNTH® *Aldéhyde crotonique / Aldehído crotónico* $CH_3CH=CHCHO$ C_4H_6O *M* = 70,09 g/mol 1 L ≈ 0,85 kg assay (GC) ..... 99% boiling range ..... 103–105 °C refractive index (n_D^{20}) ..... 1,437 R: 11-23-36/37/38 S: 29-33-44 disposal: 14	FL. *2911*	500 ml	12,–	10,20	9,60	9,25
2365	**Crotonic acid** PROSYNTH® *Acide crotonique / Acido crotónico* $CH_3CH=CHCOOH$ $C_4H_6O_2$ *M* = 86,09 g/mol assay (alkalimetric) ..... 99% melting range ..... 70–72 °C	PF. *2914*	1 kg	30,75	26,15	24,60	23,70
2369 6.1/2A 3.2 1992 2 -16 °C	**Crotonitrile** PROSYNTH® mixture of *cis*- and *trans*-isomers *Crotonitrile / Crotonitrilo* $CH_3CH=CHCN$ C_4H_5N *M* = 67,09 g/mol 1 L ≈ 0,82 kg assay (GC) 99%	ALU. *2927*	100 ml	20,50	17,45	16,40	15,40
2367 8/22 8 1760 2	**Crotonoyl chloride** PROSYNTH® *Crotonoyle chlorure / Crotonoilo cloruro* $CH_3CH=CHCOCl$ C_4H_5ClO *M* = 104,54 g/mol 1 L ≈ 1,09 kg assay ..... 98% boiling range ..... 122–124 °C refractive index (n_D^{20}) 1,460	FL. *2914*	100 ml	59,–	50,15	47,20	44,25
2370 3/3 3.3 1987 2 +34 °C	**Crotyl alcohol** mixture of *cis* and *trans* isomers PROSYNTH® *Alcool crotylique / Alcohol crotílico* $CH_3CH=CHCH_2OH$ C_4H_8O *M* = 72,11 g/mol 1 L ≈ 0,85 kg assay (GC) ..... 97% boiling range ..... 120–122 °C refractive index (n_D^{20}) ..... 1,427 R: 10 disposal: 6	FL. *2904*	100 ml	26,25	22,30	21,–	19,70
	Crotyl chloride see 1-Chloro-2-butene						
65134 6.1/22 6.1 2811 2	**12-Crown-4** PROSYNTH® *12-Couronne-4 / 12-Corona-4* $C_8H_{16}O_4$ *M* = 176,21 g/mol 1 L ≈ 1,11 kg assay (GC) ..... 98% boiling range (at 0,1 mbar) ..... 68–70 °C refractive index (n_D^{20}) 1,462	FL. *2908*	1 g	13,75	11,70	11,–	10,30
65135 6.1/22 6.1 2811 2	**15-Crown-5** PROSYNTH® *15-Couronne-5 / 15-Corona-5* $C_{10}H_{20}O_5$ *M* = 220,27 g/mol 1 L ≈ 1,11 kg assay (GC) ..... 98% boiling range (at 0,7 mbar) ..... 93–96 °C refractive index (n_D^{20}) 1,465	FL. *2908*	1 g	16,–	13,60	12,80	12,–
64345 6.1/22 6.1 2811 2	**18-Crown-6** PROSYNTH® *18-Couronne-6 / 18-Corona-6* $C_{12}H_{24}O_6$ *M* = 264,32 g/mol assay (GC) ..... 98% melting range ..... 37–39 °C	FL. *2908*	1 g	17,25	14,65	13,80	12,95

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01714 C 6.1 2811 3	**Cryolite** COTAL® powder (Sodium hexafluoroaluminate) *Cryolithe / Criolita* Na_3AlF_6 M = 209,94 g/mol	PF. FTP. *2829*	100 g 25 kg	54,— price on request	45,90	43,20
01713 C 6.1 2811 3	**Cryolite** synthetic (Sodium hexafluoroaluminate) *Cryolithe / Criolita* Na_3AlF_6 M = 209,94 g/mol assay ..... 98,5 % loss on drying (105 °C) ..... 0,2 % iron (Fe) ..... 0,05 % silicic acid (SiO_2) ..... 0,2 %	PF. S. *2829*	2,5 kg 50 kg	28,25 price on request	23,45	22,05
32675	**Crystal violet** indicator and for microscopy (C. I. No. 42555, S. No. 785) *Violet cristallisé / Violeta cristal* $C_{25}H_{30}ClN_3$ M = 407,99 g/mol	WG. WG. *3205*	25 g 100 g	10,50 22,25	8,95 18,90	8,40 17,80
28390	**Crystal violet** U. S. P. XIX (C. I. No. 42555, S. No. 785) *Violet cristallisé / Violeta cristal* $C_{25}H_{30}ClN_3$ M = 407,99 g/mol	WG. WG. *3205*	250 g 1 kg	60,— 201,—	51,— 170,85	48,— 160,80
62371 A 3/3 C 3.3 2364 2 +36 °C	**Cumene** PROSYNTH® *Cumène / Cumeno* $C_6H_5CH(CH_3)_2$ C_9H_{12} M = 120,19 g/mol **1 L ≈ 0,86 kg** assay (GC) ..... 99 % boiling range ..... 152—154 °C refractive index (n_D^{20}) ..... 1,492 R: 10-37 disposal: 6	FL. *2901*	1 L	15,75	13,40	12,60
62372 A 5.2/10 C 5.2 2116 1	**Cumene hydroperoxide** PROSYNTH® *Cumène hydroperoxyde / Cumeno hidroperóxido* $C_6H_5C(CH_3)_2OOH$ $C_9H_{12}O_2$ M = 152,19 g/mol **1 L ≈ 1,03 kg** assay (ex active O) ..... 80 % refractive index (n_D^{20}) ..... 1,519 R: 11-35 S: 3-7/9-14-27-37/39 disposal: 16	FL. *2908*	500 ml	47,—	39,95	37,60
	Cuminaldehyde see 4-Propylbenzaldehyde					
	Cuminaldehyde see 4-*iso*-Propylbenzaldehyde					
33344	**Cupferron** R. G. *Cupferron / Kupferrón* $C_6H_5N(NO)ONH_4$ $C_6H_9N_3O_2$ M = 155,16 g/mol insoluble in water ..... max. 0,02 % sulphated ash ..... max. 0,05 % suitability for determination of metals ..... passes test keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	WG. WG. *2929*	25 g 100 g	21,75 65,—	18,50 55,25	17,40 52,—
	Cuprizone see Oxalic acid-bis-(cyclohexylidene hydrazide)					
33188	**Cuproin** R. G. *Cuproïne / Cuproína* $CH=CHC_5H_4N=CC=NC_5H_4CH=CH$ $C_{16}H_{12}N_2$ M = 256,31 g/mol assay ..... min. 99 % melting range ..... 192—194 °C sulfated ash ..... max. 0,05 % copper (Cu) ..... max. 0,0002 %	FL. WG. *2935*	1 g 5 g	18,75 81,50	15,95 69,30	15,— 65,20
	Cupron see α-Benzoinoxime					

refer explanations

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89	**Curcumin** R. G. *Curcumine / Curcumina* $CH_2[COCH=CHC_6H_3(OH)OCH_3]_2$ $C_{21}H_{20}O_6$ M = 368,39 g/mol	WG. 3204	10 g	37,75	32,10	30,20	28,30
24 32 1760 2	**Cyanamide solution** 50% PROSYNTH® *Cyanamide en solution / Cianamida en solución* NH_2CN CH_2N_2 M = 42,04 g/mol 1 L ≈ 1,06 kg assay ..... 50% keep in refrigerator à sticker dans le frigidaire almacenaje en la nevera R: 23/24/25-38 S: 7/9-13-44 disposal: 22	FL. 2858	1 L	16,50	14,05	13,20	12,70
373 1/21 1 2811 2	**Cyanoacetamide** PROSYNTH® *Cyanacétamide / Cianacetamida* $NCCH_2CONH_2$ $C_3H_4N_2O$ M = 84,08 g/mol assay (ex N) ..... 99% melting range ..... 119–121 °C R: 20/21/22 S: 28 disposal: 15	PF. 2927	250 g	30,75	26,15	24,60	23,05
206 1/21A 1 2811 2	**Cyanoacetic acid** *Acide cyanacétique / Acido cianacético* $(CN)CH_2COOH$ $C_3H_3NO_2$ M = 85,06 g/mol assay ..... 99% melting range ..... 66–70 °C loss on drying (on sulphuric acid) ..... 1% R: 10-35 S: 2-23-26 disposal: 22	WG. WG. 2927	500 g 1 kg	58,50 106,50	49,75 90,55	46,80 85,20	45,05 82,–
577 6.1/21 6.1 1694 1	**4-Cyanobenzoic acid** PROSYNTH® *Acide 4-cyanobenzoïque / Acido 4-cianobenzóico* NCC_6H_4COOH $C_8H_5NO_2$ M = 147,13 g/mol assay (alkalimetric) ..... 98% melting range ..... 219–221 °C	WG. 2927	10 g	39,25	33,35	31,40	29,45
	Cyanocobaltamine see Vitamine B_{12}						
2374 6.1/71 6.1 1564 3	**2-Cyanoethyl phosphoric acid barium salt dihydrate** PROSYNTH® *Acide 2-cyanoéthylphosphorique sel de baryum dihydraté / Acido 2-cianoetilfosfórico sal de bario dihidrato* $NCCH_2CH_2OPO_3Ba \cdot 2H_2O$ $C_3H_4BaNO_4P \cdot 2H_2O$ M = 322,40 g/mol assay (ex Ba, on anhydrous substance) ..... 99% R: 20/22 S: 28 disposal: 15	WG. 2927	10 g	90,–	76,50	72,–	67,50
9624 6.1/21A 6.1 2810 2	**Cyanoethyl sucrose** for gas chromatography *Cyanoéthyle sucrose / Cianoetilo sucrosa* working temperature ..... to 125 °C	WG. 2927	25 g	21,50	18,30	17,20	16,15
9306 6.1/31A 6.1 1889 1	**Cyanogen bromide** BIOSYNTH® *Cyanogène bromure / Cianógeno bromuro* BrCN CBrN M = 105,92 g/mol R: 23/24/25 S: 44 disposal: 22	FL. 2843	100 g	68,–	57,80	54,40	51,–

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63928 A 6.1/31A C 6.1 1889 1	**Cyanogen bromide** PROSYNTH® *Cyanogène bromure / Cianógeno bromuro* BrCN CBrN M = 105,92 g/mol assay (iodometric) ..... 97 % melting range ..... 50–52 °C keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 23/24/25 S: 44 disposal: 22	FL. *2927*	100 g	93,–	79,05	74,40	69,–
60325 A 6.1/21 C 6.1 2811 2	**1-Cyanoguanidine** PROSYNTH® *1-Cyanoguanidine / 1-Cianoguanidina* $HNC(NH_2)NHCN$ $C_2H_4N_4$ M = 84,08 g/mol assay ..... 99 % melting range ..... 210–212 °C	PF. *2926*	1 kg	19,75	16,80	15,80	15,2[illegible]
64586 A 6.1/21A C 6.1 2811 1	**2-Cyano-4-nitroaniline** PROSYNTH® *2-Cyano-4-nitroaniline / 2-Ciano-4-nitroanilina* $NO_2C_6H_3(CN)NH_2$ $C_7H_5N_3O_2$ M = 163,14 g/mol assay (HPLC) ..... 97 % melting range ..... 207–210 °C R: 23/24/25-33 S: 28-36/37-44 disposal: 20	WG. *2927*	100 g	54,–	45,90	43,20	40,5[illegible]
61043 A 6.1/23 C 6.1 2810 2	**1-Cyano-2,2,3,3-tetrafluorocyclobutane** PROSYNTH® *1-Cyano-2-2-3-3-tétrafluorocyclobutane / 1-Ciano-2,2,3,3-tetrafluorociclobutano* $CH_2CF_2CF_2CHCN$ $C_5H_3F_4N$ M = 153,08 g/mol 1 L ≈ 1,41 kg assay ..... 98 %	FL. *2927*	25 ml	63,–	53,55	50,40	47,2[illegible]
62377 A 6.1/21 C 6.1 2811 2	**Cyanuric acid** PROSYNTH® *Acide cyanurique / Acido cianúrico* $HOC{=}NC(OH){=}NC(OH){=}N$ $C_3H_3N_3O_3$ M = 129,08 g/mol assay (ex N) ..... 99 %	PF. *2935*	250 g	16,75	14,25	13,40	12,5[illegible]
62376 A 6.1/61 C 8 2670 3	**Cyanuric chloride** PROSYNTH® *Cyanuryle chlorure / Cianuro cloruro* $ClC{=}NCCl{=}NCCl{=}N$ $C_3Cl_3N_3$ M = 184,41 g/mol assay (ex N) ..... 99 % melting range ..... 145–147 °C keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	WG. *2935*	500 g	24,–	20,40	19,20	18,5[illegible]
64441	**Cyclobutanoic acid** PROSYNTH® *Acide cyclobutanecarboxylique / Acido ciclobutanocarboxílico* $CH_2CH_2CH_2CHCOOH$ $C_5H_8O_2$ M = 100,12 g/mol 1 L ≈ 1,06 kg assay (GC) ..... 98 % boiling range ..... 192–194 °C refractive index (n_D^{20}) 1,444	FL. *2914*	25 ml	124,50	105,85	99,60	93,4[illegible]
63334 A 3/4 +89 °C	**Cyclododecane** PROSYNTH® *Cyclododécane / Ciclododecano* $CH_2(CH_2)_{10}CH_2$ $C_{12}H_{24}$ M = 168,32 g/mol 1 L ≈ 0,86 kg assay (GC) ..... 99 % melting range ..... 58–61 °C	FL. *2901*	250 ml	19,75	16,80	15,80	14,8[illegible]

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4444	**Cyclododecanone** PROSYNTH® *Cyclododécanone / Ciclododecanona* $\underbrace{CH_2(CH_2)_{10}CO}$ $C_{12}H_{22}O$ $M = 182{,}31$ g/mol assay (GC) ..... 99% melting range ..... 59–61 °C	WG. *2913*	250 g	33,25	28,25	26,60	24,95
2378 3/4 86 °C	***cis,trans,trans*-1,5,9-Cyclododecatriene** PROSYNTH® *cis-trans-trans-Cyclododécatriène-1-5-9 / cis,trans,trans-1,5,9-Ciclododecatrieno* $\underbrace{CH=CHCH_2(CH_2CH=CHCH_2)_2CH_2}$ $C_{12}H_{18}$ $M = 162{,}27$ g/mol 1 L ≈ 0,89 kg assay (GC) ..... 98% boiling range ..... 236–238 °C refractive index (n_D^{20}) 1,508	FL. *2901*	250 ml	23,—	19,55	18,40	17,25
3335	**1,5,9-Cyclododecatriene monoxide** PROSYNTH® *Cyclododécatriène monoxyde-1-5-9 / 1,5,9-Ciclododecatrieno monóxido* $C_{12}H_{18}O$ $M = 178{,}27$ g/mol 1 L ≈ 0,98 kg assay (GC) ..... 99% boiling range (at 13 mbar) ..... 124–126 °C refractive index (n_D^{20}) 1,506	FL. *2909*	100 ml	35,50	30,20	28,40	26,65
63977 A 3/4 -90 °C	**Cyclododecene** mixture of *cis* and *trans* isomers PROSYNTH® *Cyclododécène / Ciclododeceno* $\underbrace{CH_2(CH_2)_9CH=CH}$ $C_{12}H_{22}$ $M = 166{,}31$ g/mol 1 L ≈ 0,87 kg assay (GC) ..... 95% refractive index (n_D^{20}) 1,484	FL. *2901*	100 ml	25,25	21,45	20,20	18,95
62379 A 3/3 C 3.2 2241 2 +21 °C	**Cycloheptane** PROSYNTH® *Cycloheptane / Cicloheptano* $\underbrace{CH_2(CH_2)_5CH_2}$ C_7H_{14} $M = 98{,}19$ g/mol 1 L ≈ 0,81 kg assay (GC) ..... 97% boiling range ..... 116–118 °C refractive index (n_D^{20}) ..... 1,444 R: 11 S: 9-16-33 disposal: 6	FL. *2901*	100 ml	35,—	29,75	28,—	26,25
62380 A 3/4 C 3.3 1987 2 +60 °C	**Cycloheptanol** PROSYNTH® *Cycloheptanol / Cicloheptanol* $\underbrace{CH_2(CH_2)_5CHOH}$ $C_7H_{14}O$ $M = 114{,}19$ g/mol 1 L ≈ 0,95 kg assay (GC) ..... 98% boiling range (at 15 mbar) ..... 78–81 °C refractive index (n_D^{20}) 1,478	FL. *2905*	100 ml	69,50	59,10	55,60	52,15
62381 A 3/4 +57 °C	**Cycloheptanone** PROSYNTH® *Cycloheptanone / Cicloheptanona* $\underbrace{CH_2(CH_2)_5CO}$ $C_7H_{12}O$ $M = 112{,}17$ g/mol 1 L ≈ 0,95 kg assay (GC) ..... 97% boiling range ..... 178–180 °C refractive index (n_D^{20}) 1,461	FL. *2913*	100 ml	77,50	65,90	62,—	58,15

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Type of package *B.T.N.*

Price per package DM | 1x | 6x (1 Box) | 24x (4 Boxes) | 96 (16 Box

62382 **1,3,5-Cycloheptatriene** PROSYNTH®
A 3/1A
C 3.2 2603 2
+-0 °C
Cycloheptatriène-1-3-5 / 1,3,5-Cicloheptatrieno
$CH_2(CH=CH)_2CH=CH$
C_7H_8 $M = 92{,}14$ g/mol **1 L ≈ 0,89 kg**
assay (GC) 95%
boiling range ..... 115–117 °C
refractive index (n_D^{20}) 1,522
keep in refrigerator
à stocker dans le frigidaire
almacenaje en la nevera
R: 11 S: 9-16-33
disposal: 6
FL. *2901* | **250 ml** | 62,50 | 53,15 | 50,– | 46,

62383 **Cycloheptene** PROSYNTH®
A 3/3
C 3.2 2242 2
+22 °C
Cycloheptène / Cicloheptено
$CH_2(CH_2)_4CH=CH$
C_7H_{12} $M = 96{,}17$ g/mol **1 L ≈ 0,82 kg**
assay (GC) 95%
boiling range ..... 113–115 °C
refractive index (n_D^{20}) 1,458
FL. *2901* | **100 ml** | 38,25 | 32,50 | 30,60 | 28,

62384 **Cycloheptylamine** PROSYNTH®
A 8/35
C 3.3 1993 2
+47 °C
Cycloheptylamine / Cicloheptilamina
$CH_2(CH_2)_5CHNH_2$
$C_7H_{15}N$ $M = 113{,}21$ g/mol **1 L ≈ 0,89 kg**
assay (GC) 97%
boiling range (at 15 mbar) ..... 52–54 °C
refractive index (n_D^{20}) 1,472
R: 10 disposal: 19
FL. *2922* | **50 ml** | 76,– | 64,60 | 60,80 | 57,

Cycloheptyl bromide see Bromocycloheptane

62385 **1,3-Cyclohexadiene** PROSYNTH®
A 3/1A
C 3.2 1993 2
- 8 °C
Cyclohexadiène-1-3 / 1,3-Ciclohexadieno
$CH=CHCH=CHCH_2CH_2$
C_6H_8 $M = 80{,}13$ g/mol **1 L ≈ 0,84 kg**
assay (GC) 98%
boiling range ..... 79–81 °C
refractive index (n_D^{20}) 1,475
keep in refrigerator
à stocker dans le frigidaire
almacenaje en la nevera
R: 11 S: 9-16-33
disposal: 6
FL. *2901* | **25 ml** | 116,– | 98,60 | 92,80 | 87,

62386 **1,4-Cyclohexadiene** PROSYNTH®
A 3/1A
C 3.2 1993 2
-10 °C
Cyclohexadiène-1-4 / 1,4-Ciclohexadieno
$CH=CHCH_2CH=CHCH_2$
C_6H_8 $M = 80{,}13$ g/mol **1 L ≈ 0,85 kg**
assay (GC) 98%
boiling range ..... 83–85 °C
refractive index (n_D^{20}) 1,473
R: 11 S: 9-16-33
disposal: 6
FL. *2901* | **25 ml** | 155,– | 131,75 | 124,– | 116,2

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3117 3/1A 3.1 1145 2 3°C	**Cyclohexane** R. G. *Cyclohexane / Ciclohexano* $CH_2(CH_2)_4CH_2$ C_6H_{12} $M = 84{,}16$ g/mol **1 L ≈ 0,78 kg** assay (GC) ..... min. 99,5% congealing range ..... +5,5 to +6,5 °C boiling range ..... 79–81 °C density (D_4^{20}) ..... 0,778–0,779 refractive index (n_D^{20}) ..... 1,4250–1,4280 non-volatile matter ..... max. 0,001% water (according to Karl Fischer) ..... max. 0,01% free acid (as HCl) ..... max. 0,001% aluminium (Al) ..... max. 0,00005% barium (Ba) ..... max. 0,00001% lead (Pb) ..... max. 0,00001% boron (B) ..... max. 0,000002% cadmium (Cd) ..... max. 0,000005% calcium (Ca) ..... max. 0,00005% chromium (Cr) ..... max. 0,000002% iron (Fe) ..... max. 0,00001% cobalt (Co) ..... max. 0,000002% copper (Cu) ..... max. 0,000002% magnesium (Mg) ..... max. 0,00001% manganese (Mn) ..... max. 0,000002% nickel (Ni) ..... max. 0,000002% zinc (Zn) ..... max. 0,00001% tin (Sn) ..... max. 0,00001% reaction to sulphuric acid ..... passes test aromatic substances (as C_6H_6) ..... max. 0,05% R: 11 S: 9-16-33 disposal: 6	FL. FL. EKL. *2901*	1 L 2,5 L 20 kg	28,25 59,50 kg	24,– 49,40 15,–	22,05 46,40	20,90 44,65
30838 A 3/1A C 3.1 1145 2 -18°C	**Cyclohexane** min. 99,9% for gas chromatography *Cyclohexane / Ciclohexano* $CH_2(CH_2)_4CH_2$ C_6H_{12} $M = 84{,}16$ g/mol **1 L ≈ 0,78 kg** R: 11 S: 9-16-33 disposal: 6	FL. *2901*	5 ml	49,25	41,85	39,40	36,95
34855 A 3/1A C 3.1 1145 2 -18°C	**Cyclohexane** CHROMASOLV® for chromatography (UV-detection) *Cyclohexane / Ciclohexano* $CH_2(CH_2)_4CH_2$ C_6H_{12} $M = 84{,}16$ g/mol **1 L ≈ 0,78 kg** assay (GC) ..... min. 99,7% non-volatile matter ..... max. 0,0005% water (according to Karl Fischer) ..... max. 0,01% transmittance (1 cm cell; reference water) transmittance/wavelength (nm): min. 20%/220, min. 50%/230, min. 80%/235, min. 98%/from 255 R: 11 S: 9-16-33 disposal: 6	FL. *2901*	1 L	43,75	37,20	35,–	33,70
34911 A 3/1A C 3.1 1145 2 -18°C	**Cyclohexane** SPECTRANAL®, Reag. Ph. Eur. I *Cyclohexane / Ciclohexano* $CH_2(CH_2)_4CH_2$ C_6H_{12} $M = 84{,}16$ g/mol **1 L ≈ 0,78 kg** assay (GC) ..... min. 99,7% non-volatile matter ..... max. 0,0005% water (acc. to Karl Fischer) ..... max. 0,01% free acid (as HCl) ..... max. 0,001% suitability for UV spectroscopy transmittance (1 cm cell/reference:water) transmittance/wavelength (nm): min. 15%/210, min. 45%/220, min. 60%/225, min. 75%/230, min. 90%/240, min. 98%/from 250 suitability for IR spectroscopy ..... passes test R: 11 S: 9-16-33 disposal: 6	FL. FL. *2901*	1 L 2,5 L	49,50 108,50	42,10 90,05	39,60 84,65	38,10 81,40

PANPEHA® universal indicator paper in strips

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96 (16 Bo.
17847 A 3/1A C 3.1 1145 2 -18 °C	**Cyclohexane** PURANAL® *Cyclohexane / Ciclohexano* $CH_2(CH_2)_4CH_2$ C_6H_{12} M = 84,16 g/mol **1 L ≈ 0,78 kg** assay (GC) ..... min. 99,5 % boiling range ..... 80—81 °C density (D_4^{20}) ..... 0,778—0,779 refractive index (n_D^{20}) ..... 1,4260—1,4270 non-volatile matter ..... max. 10 ppm water (according to Karl Fischer) ..... max. 100 ppm aluminium (Al) ..... max. 0,05 ppm antimony (Sb) ..... max. 0,01 ppm arsenic (As) ..... max. 0,01 ppm barium (Ba) ..... max. 0,1 ppm beryllium (Be) ..... max. 0,01 ppm lead (Pb) ..... max. 0,02 ppm boron (B) ..... max. 0,02 ppm cadmium (Cd) ..... max. 0,01 ppm calcium (Ca) ..... max. 0,2 ppm chromium (Cr) ..... max. 0,01 ppm iron (Fe) ..... max. 0,1 ppm gallium (Ga) ..... max. 0,02 ppm gold (Au) ..... max. 0,02 ppm indium (In) ..... max. 0,02 ppm potassium (K) ..... max. 0,1 ppm cobalt (Co) ..... max. 0,01 ppm copper (Cu) ..... max. 0,01 ppm lithium (Li) ..... max. 0,02 ppm magnesium (Mg) ..... max. 0,1 ppm manganese (Mn) ..... max. 0,01 ppm molybdenum (Mo) ..... max. 0,01 ppm sodium (Na) ..... max. 0,2 ppm nickel (Ni) ..... max. 0,01 ppm platinum (Pt) ..... max. 0,02 ppm silver (Ag) ..... max. 0,02 ppm strontium (Sr) ..... max. 0,02 ppm thallium (Tl) ..... max. 0,02 ppm titanium (Ti) ..... max. 0,01 ppm vanadium (V) ..... max. 0,01 ppm bismuth (Bi) ..... max. 0,02 ppm zinc (Zn) ..... max. 0,05 ppm R: 11 S: 9-16-33 disposal: 6	FL. EKL. *2901*	2,5 L 20 kg	price on request price on request			
15329 A 3/1A C 3.1 1145 2 -18 °C	**Cyclohexane** *Cyclohexane / Ciclohexano* $CH_2(CH_2)_4CH_2$ C_6H_{12} M = 84,16 g/mol **1 L ≈ 0,78 kg** assay (GC) ..... 99,5 % boiling range ..... 79—81 °C density (D_4^{20}) ..... 0,778—0,779 refractive index (n_D^{20}) ..... 1,4250—1,4280 non-volatile matter ..... 0,001 % R: 11 S: 9-16-33 disposal: 6	FL. FL. EKL. EKL. EKL. *2901*	1 L 2,5 L 20 kg 5x 10x	23,— 44,— kg kg kg	19,55 36,50 6,75 6,45 6,25	18,40 34,30	17, 33,
09041 A 3/1A C 3.1 1145 2 -18 °C	**Cyclohexane-d_{12}** deuteration not less than 99 atom % D *Cyclohexane-d_{12} / Ciclohexano-d_{12}* C_6D_{12} M = 96,07 g/mol **1 L ≈ 0,89 kg** R: 11 S: 9-16-33 disposal: 6	A. *2851*	5 ml	147,50	125,40	118,—	110,6
62387 A 3/3 C 3.3 1993 2 +44 °C	**Cyclohexanecarbaldehyde** PROSYNTH® *Cyclohexanecarbaldéhyde / Ciclohexano carbaldehido* $CH_2(CH_2)_4CHCHO$ $C_7H_{12}O$ M = 112,17 g/mol **1 L ≈ 0,93 kg** assay (GC) ..... 97 % boiling range ..... 160—162 °C refractive index (n_D^{20}) ..... 1,450 R: 10 disposal: 14	FL. *2911*	100 ml	77,50	65,90	62,—	58,1

refer explanations

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4447	**Cyclohexanecarboxylic acid** PROSYNTH® *Acide cyclohexanecarboxylique / Acido ciclohexanocarboxílico* $C_6H_{11}COOH$ $C_7H_{12}O_2$ $M = 128{,}17$ g/mol assay (GC) ..... 99% melting range ..... 29–31 °C	WG. 2914	100 g	10,–	8,50	8,–	7,50
	Cyclohexanedicarboxylic acid-(1,2)-imide see *cis*-Hexahydrophthalimide						
62388	***cis,trans*-1,2-Cyclohexanediol** PROSYNTH® *cis-trans-Cyclohexanediol-1-2 / cis,trans-1,2-Ciclohexanodiol* $HOC_6H_{10}OH$ $C_6H_{12}O_2$ $M = 116{,}16$ g/mol assay (GC) 97%	WG. 2905	100 g	35,50	30,20	28,40	26,65
64449	***trans*-1,2-Cyclohexanediol** PROSYNTH® *trans-Cyclohexanediol-1-2 / trans-1,2-Ciclohexanodiol* $HOC_6H_{10}OH$ $C_6H_{12}O_2$ $M = 116{,}16$ g/mol assay (GC) ..... 98% melting range ..... 101–103 °C	WG. 2905	10 g	54,50	46,35	43,60	40,90
64450	**1,4-Cyclohexanediol** mixture of *cis* and *trans* isomers PROSYNTH® *Cyclohexanediol-1-4 / 1,4-Ciclohexanodiol* $HOC_6H_{10}CH_2CH_2OH$ $C_6H_{12}O_2$ $M = 116{,}16$ g/mol assay (GC) 98%	WG. 2905	100 g	34,75	29,55	27,80	26,05
64537	**1,2-Cyclohexanedione** PROSYNTH® *Cyclohexanedione-1-2 / 1,2-Ciclohexanodiona* $OCCO(CH_2)_3CH_2$ $C_6H_8O_2$ $M = 112{,}13$ g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera assay (GC) ..... 98% melting range ..... 35–38 °C	WG. 2913	10 g	75,50	64,20	60,40	56,65
64542	**1,4-Cyclohexanedione** PROSYNTH® *Cyclohexanedione-1-4 / 1,4-Ciclohexanodiona* $OCCH_2CH_2COCH_2CH_2$ $C_6H_8O_2$ $M = 112{,}13$ g/mol assay (GC) ..... 98% melting range ..... 76–78 °C keep in refrigerator à stocker dans le frigidaire almacenaje en la neveral	WG. 2913	10 g	30,75	26,15	24,60	23,05
33118	**1,2-Cyclohexanedionedioxime** R. G. *Cyclohexanedionedioxime-1-2 / 1,2-Ciclohexanodionadioxima* $C_6H_8(NOH)_2$ $C_6H_{10}N_2O_2$ $M = 142{,}16$ g/mol assay (ex N) ..... min. 98% melting range ..... abt. 185–190 °C (disintegration) sulphated ash ..... max. 0,05% iron (Fe) ..... max. 0,0005% heavy metals (as Pb) ..... max. 0,0005% suitability for determination of nickel ..... passes test	WG. 2929	5 g	25,25	21,45	20,20	18,95
	Cyclohexanehexol-(1r,2c,4t,5c,6t) see *meso*-Inositol						

PEHANAL® universal indicator paper in rolls

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64077	**Cyclohexanesulphamic acid** PROSYNTH® *Acide cyclohexanesulfamique / Acido ciclohexanosulfámico* $C_6H_{13}NO_3S$ $M = 179{,}24$ g/mol assay (ex S) ..... 99% melting range ..... 167–169 °C	WG. *2936*	100 g	17,—	14,45	13,60	12,
64453 A 3/3 C 3.3 1992 2 +44 °C	**Cyclohexanethiol** PROSYNTH® *Cyclohexanethiol / Ciclohexanotiol* $C_6H_{12}S$ $M = 116{,}23$ g/mol **1 L ≈ 0,95 kg** assay (GC) ..... 98% boiling range ..... 156–158° refractive index (n_D^{20}) ..... 1,493 R: 10-20/21/22 disposal: 15	FL. *2931*	100 ml	69,50	59,10	55,60	52,
24217 A 3/4 +68 °C	**Cyclohexanol** *Cyclohexanol / Ciclohexanol* $C_6H_{12}O$ $M = 100{,}16$ g/mol **1 L ≈ 0,94 kg** R: 20/22-37/38 S: 24/25 disposal: 6	FL. EKL. EKL. EKL. F. *2905*	1 L 25 kg 5x 10x 180 kg	19,— kg kg kg price on request	16,15 7,55 7,10 6,90	15,20	14,6
30839 A 3/3 C 3.3 1915 3 +44 °C	**Cyclohexanone** min. 99,9% for gas chromatography *Cyclohexanone / Ciclohexanona* $C_6H_{10}O$ $M = 98{,}14$ g/mol **1 L ≈ 0,94 kg** R: 10-20 S: 25 disposal: 6	FL. *2913*	5 ml	49,25	41,85	39,40	36,9
24218 A 3/3 C 3.3 1915 3 +44 °C	**Cyclohexanone** pure *Cyclohexanone / Ciclohexanona* $C_6H_{10}O$ $M = 98{,}14$ g/mol **1 L ≈ 0,94 kg** assay (GC) ..... 99,8% boiling range ..... 154–156 °C R: 10-20 S: 25 disposal: 6	FL. FL. EKL. EKL. EKL. F. *2913*	1 L 2,5 L 25 kg 5x 10x 190 kg	28,25 60,— kg kg kg price on request	24,— 49,80 8,75 8,25 8,05	22,60 46,80	21,7 45,—
62392 A 3/1A C 3.1 2256 2 -30 °C	**Cyclohexene** PROSYNTH® *Cyclohexène / Ciclohexeno* C_6H_{10} $M = 82{,}15$ g/mol **1 L ≈ 0,81 kg** assay (GC) ..... 99% boiling range ..... 82–85 °C refractive index (n_D^{20}) ..... 1,446 R: 11 S: 9-16-33 disposal: 6	FL. *2901*	1 L	40,50	34,45	32,40	31,2
63337 A 3/3 C 3.3 1993 2 +27 °C	**Cyclohexene oxide** PROSYNTH® *Cyclohexène oxyde / Ciclohexeno óxido* $C_6H_{10}O$ $M = 98{,}15$ g/mol **1 L ≈ 0,96 kg** assay (GC) ..... 98% boiling range ..... 129–131 °C refractive index (n_D^{20}) ..... 1,452 R: 10 disposal: 6	FL. *2909*	50 ml	37,—	31,45	29,60	27,75

refer explanations

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4455 3/4 3.3 1993 2 61 °C	**2-Cyclohexen-1-one** PROSYNTH® *Cyclohexène-2-one-1 / 2-Ciclohexén-1-ona* $OC\underline{CH=CHCH_2CH_2CH_2}$ C_6H_8O $M = 96{,}13$ g/mol **1 L ≈ 1,00 kg** assay (GC) ..... 95% boiling range ..... 168–171 °C refractive index (n_D^{20}) 1,488	FL. *2913*	10 ml	53,–	45,05	42,40	39,75
5330 8/35 3.3 2357 2 27 °C	**Cyclohexylamine** 100% *Cyclohexylamine / Ciclohexilamina* $\underline{CH_2(CH_2)_4CH}NH_2$ $C_6H_{13}N$ $M = 99{,}18$ g/mol **1 L ≈ 0,87 kg** assay (GC) ..... 99,5% boiling range ..... 133–134 °C density (D_4^{20}) ..... 0,866–0,868 refractive index (n_D^{20}) ..... 1,4585–1,4595 R: 10-20/22-36/38 disposal: 19	FL. STP. F. *2922*	1 L 45 kg 180 kg	24,75 price on request price on request	21,05	19,80	19,05
62394 3/4 63 °C	**Cyclohexyl bromide** PROSYNTH® *Cyclohexyle bromure / Ciclohexilo bromuro* $\underline{CH_2(CH_2)_4CH}Br$ $C_6H_{11}Br$ $M = 163{,}06$ g/mol **1 L ≈ 1,33 kg** assay (GC) ..... 99% boiling range ..... 165–167 °C refractive index (n_D^{20}) 1,496	FL. *2902*	1 L	70,–	59,50	56,–	53,90
62395 A 3/3 C 3.3 1993 2 +47 °C	**Cyclohexyl chloride** PROSYNTH® *Cyclohexyle chlorure / Ciclohexilo cloruro* $Cl\underline{CH(CH_2)_4CH_2}$ $C_6H_{11}Cl$ $M = 118{,}61$ g/mol **1 L ≈ 1,00 kg** assay (GC) ..... 98% boiling range ..... 141–143 °C refractive index (n_D^{20}) ..... 1,462 R: 10 disposal: 7	FL. *2902*	1 L	52,50	44,65	42,–	40,45
	1-Cyclohexyldecane see Decylcyclohexane						
63338 A 3/4 +79 °C	**N-Cyclohexyl-1,3-diaminopropane** PROSYNTH® *N-Cyclohexyl-1-3-diaminopropane / N-Ciclohexil-1,3-diaminopropano* $NH_2(CH_2)_3NH\underline{CH(CH_2)_4CH_2}$ $C_9H_{20}N_2$ $M = 156{,}27$ g/mol **1 L ≈ 0,91 kg** assay (GC) ..... 96% boiling range (at 0,7 mbar) ..... 77–79 °C refractive index (n_D^{20}) 1,482	FL. *2922*	100 ml	27,–	22,95	21,60	20,25
62396 A 6.1/21C B 6.1/15A C 6.1 2810 2	**Cyclohexyl isocyanate** PROSYNTH® *Cyclohexyle isocyanate / Ciclohexilo isocianato* $\underline{CH_2(CH_2)_4CH}NCO$ $C_7H_{11}NO$ $M = 125{,}17$ g/mol **1 L ≈ 0,99 kg** assay (GC) ..... 98% boiling range ..... 169–172 °C refractive index (n_D^{20}) ..... 1,456 R: 23/24/25 S: 44 disposal: 6	FL. *2930*	250 ml	20,–	17,–	16,–	15,–

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64585 A 6.1/2 C 6.1 1935 1	**Cyclohexyl isocyanide** PROSYNTH® *Cyclohexyl isocyanure / Ciclohexil isocianuro* $CH_2(CH_2)_4CHNC$ $C_7H_{11}N$ *M* = 109,17 g/mol **1 L ≈ 0,89 kg** assay (GC) ..... 98 % boiling range ..... 173–176 °C refractive index (n_D^{20}) ..... 1,450 keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 23/24/25 S: 44 disposal: 15	A. *2927*	5 ml	27,–	22,95	21,60	2(
63340 A 3/3 +34 °C	**Cyclohexyl methacrylate** PROSYNTH® **stabilized with hydroquinone (60 mg/l)** *Cyclohexyle méthacrylate / Ciclohexilo metacrilato* $CH_2=C(CH_3)COOCH(CH_2)_4CH_2$ $C_{10}H_{16}O_2$ *M* = 168,24 g/mol **1 L ≈ 0,95 kg** assay (GC) ..... 98 % refractive index (n_D^{20}) ..... 1,458 R: 36/37/38 S: 26-28 disposal: 6	FL. *2914*	100 ml	23,50	20,–	18,80	17
64457	**N-Cyclohexyl-N'-[β-(N-methylmorpholine)-ethyl]carbodiimide-p-toluenesulphonate** PROSYNTH® *N-Cyclohexyl-N'-[β-(N-méthyl-morpholino)-éthyl]-carbodiimide-p-toluénesulfonate / N-Ciclohexil-N'-[β-(N-metil-morfolino)etil]-carbodiimida-p-toluenosulfonato* $C_{21}H_{33}N_3O_4S$ *M* = 423,57 g/mol assay (ex N) ..... 97 % melting range ..... 110–115 °C keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	WG. *2935*	5 g	23,–	19,55	18,40	17
64545	**α-Cyclohexylphenylacetic acid** PROSYNTH® *Acide α-cyclohexylphénylacétique / Acido α-ciclohexilfenilacético* $CH_2(CH_2)_4CHCH(C_6H_5)COO$ $C_{14}H_{18}O_2$ *M* = 218,30 g/mol assay (alkalimetric) ..... 98 % melting range ..... 148–150 °C	WG. *2914*	25 g	31,–	26,35	24,80	23
64291 A 6.1/21 C 6.1 2811 2	**α-Cyclohexylphenylacetonitril** PROSYNTH® *α-Cyclohexylphénylacetonitrile / α-Ciclohexilfenilacetonitrilo* $C_6H_5CH(CN)CH(CH_2)_4CH_2$ $C_{14}H_{17}N$ *M* = 199,30 g/mol assay (ex N) ..... 97 % melting range ..... 54–56 °C	WG. *2927*	50 g	25,75	21,90	20,60	19
63979	**4-Cyclohexylresorcinol** PROSYNTH® *Cyclohexylrésorcinol-4- / 4-Ciclohexilresorcina* $C_{12}H_{16}O_2$ *M* = 192,26 g/mol assay ..... 96 % melting range ..... 120–122 °C	WG. *2906*	5 g	40,75	34,65	32,60	30,
63341 A 3/3 C 3.3 1993 2 +25 °C	**Cyclooctadiene-(1,3)** PROSYNTH® **stabilized with 4-*tert.*-butylpyrocatechol** *Cyclooctadiène-(1-3) / Ciclooctadieno-(1,3)* $CH=CH(CH_2)_4CH=CH$ C_8H_{12} *M* = 108,18 g/mol **1 L ≈ 0,87 kg** assay (GC) ..... 98 % boiling range ..... 142–144 °C refractive index (n_D^{20}) ..... 1,494 R: 10 disposal: 6	FL. *2901*	250 ml	35,–	29,75	28,–	26,

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397 /3 3 2520 2 8 °C	**Cyclooctadiene-(1,5)** PROSYNTH® stabilized with 4-*tert.*-butylpyrocatechol (50 mg/l) *Cyclooctadiène-(1-5) / Ciclooctadieno-(1,5)* $\underbrace{CH=CHCH_2CH_2CH=CH}CH_2CH_2$ C_8H_{12} *M* = 108,18 g/mol **1 L ≈ 0,88 kg** assay (GC) ..... 99 % boiling range ..... 148–150 °C refractive index (n_D^{20}) ..... 1,494 R: 10 disposal: 6	FL. *2901*	250 ml	22,–	18,70	17,60	16,50
398 3/3 3.2 1993 2 21 °C	**Cyclooctane** PROSYNTH® *Cyclooctane / Ciclooctano* $\underbrace{CH_2(CH_2)_6CH_2}$ C_8H_{16} *M* = 112,21 g/mol **1 L ≈ 0,84 kg** assay (GC) ..... 98 % boiling range ..... 146–149 °C refractive index (n_D^{20}) ..... 1,458 R: 10 disposal: 6	FL. *2901*	250 ml	27,–	22,95	21,60	20,25
2399 3/4 91 °C	**Cyclooctanol** PROSYNTH® *Cyclooctanol / Ciclooctanol* $\underbrace{CH_2(CH_2)_6CHOH}$ $C_8H_{16}O$ *M* = 128,21 g/mol **1 L ≈ 0,97 kg** assay (GC) ..... 98 % boiling range (at 29 mbar) ..... 106–108 °C refractive index (n_D^{20}) 1,485	FL. *2905*	100 ml	75,50	64,20	60,40	56,65
2400 3/4 73 °C	**Cyclooctanone** PROSYNTH® *Cyclooctanone / Ciclooctanona* $\underbrace{CH_2(CH_2)_6CO}$ $C_8H_{14}O$ *M* = 126,20 g/mol assay (GC) ..... 98 % melting range ..... 30–32 °C	FL. *2913*	25 g	23,–	19,55	18,40	17,25
4458 3/3 3.2 2358 2 22 °C	**1,3,5,7-Cyclooctatetraene** PROSYNTH® *Cyclooctatétraène-1-3-5-7 / 1,3,5,7-Ciclooctatetraeno* $\underbrace{CH=CHCH=CHCH=CHCH=CH}$ C_8H_8 *M* = 104,15 g/mol **1 L ≈ 0,92 kg** assay (GC) ..... 98 % boiling range ..... 140–142 °C refractive index (n_D^{20}) ..... 1,537 R: 10 disposal: 6	FL. *2901*	10 ml	75,50	64,20	60,40	56,65
62401 3/3 3.3 1993 2 24 °C	**Cyclooctene** 4-*tert.*-butylpyrocatechol (50 mg/l) *Cyclooctène / Cicloocteno* $\underbrace{CH_2(CH_2)_5CH=CH}$ C_8H_{14} *M* = 110,20 g/mol **1 L ≈ 0,85 kg** assay (GC) ..... 97 % boiling range ..... 138–143 °C R: 10 disposal: 6	FL. *2901*	1 L	71,–	60,35	56,80	54,65
	Cyclopentacycloheptene see Azulene						
63342	**Cyclopentadecanone** PROSYNTH® *Cyclopentadécanone / Ciclopentadecanona* $\underbrace{CH_2(CH_2)_{13}CO}$ $C_{15}H_{28}O$ *M* = 224,39 g/mol assay (GC) ..... 99 % melting range ..... 62–64 °C	WG. *2913*	5 g	43,75	37,20	35,–	32,80

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	4H-Cyclopenta-[def]-phenanthrene see 4,5-Methylenephenanthrene						
30840 A 3/1A C 3.2 1993 2 -7 °C	**Cyclopentane** min. 99,9% for gas chromatography *Cyclopentane / Ciclopentano* $CH_2(CH_2)_3CH_2$ C_5H_{10} M = 70,13 g/mol **1 L ≈ 0,75 kg** R: 11 S: 9-16-29-33 disposal: 6	FL. *2901*	5 ml	49,25	41,85	39,40	36,
63343 A 3/1A C 3.2 1993 2 -7 °C	**Cyclopentane** PROSYNTH® *Cyclopentane / Ciclopentano* $CH_2(CH_2)_3CH_2$ C_5H_{10} M = 70,13 g/mol **1 L ≈ 0,75 kg** assay (GC) ..... 97% boiling range ..... 47—50 °C refractive index (n_D^{20}) ..... 1,405 R: 11 S: 9-16-29-33 disposal: 6	FL. *2901*	100 ml	17,50	14,90	14,—	13,
62402	**Cyclopentanecarboxylic acid** PROSYNTH® *Acide cyclopentanecarboxylique / Acido ciclopentanocarboxílico* $CH_2(CH_2)_3CHCOOH$ $C_6H_{10}O_2$ M = 114,14 g/mol **1 L ≈ 1,05 kg** assay (GC) ..... 97% boiling range ..... 214—216 °C refractive index (n_D^{20}) 1,453	FL. *2914*	50 ml	188,—	159,80	150,40	141,-
62403 A 3/3 C 3.3 2244 3 +51 °C	**Cyclopentanol** PROSYNTH® *Cyclopentanol / Ciclopentanol* $CH_2(CH_2)_3CHOH$ $C_5H_{10}O$ M = 86,13 g/mol **1 L ≈ 0,95 kg** assay (GC) ..... 99% boiling range ..... 138—140 °C refractive index (n_D^{20}) ..... 1,453 R: 10 disposal: 6	FL. *2905*	100 ml	20,25	17,20	16,20	15,2
62404 A 3/3 C 3.3 2245 2 +30 °C	**Cyclopentanone** PROSYNTH® *Cyclopentanone / Ciclopentanona* $CH_2(CH_2)_3CO$ C_5H_8O M = 84,12 g/mol **1 L ≈ 0,95 kg** assay (GC) ..... 99% boiling range ..... 129—131 °C refractive index (n_D^{20}) ..... 1,436 R: 10-36/38 S: 23 disposal: 6	FL. *2913*	1 L	53,—	45,05	42,40	40,8
62405 A 3/1A C 3.1 2246 2 -29 °C	**Cyclopentene** PROSYNTH® *Cyclopentène / Ciclopenteno* $CH_2CH_2CH_2CH=CH$ C_5H_8 M = 68,12 g/mol **1 L ≈ 0,77 kg** assay (GC) ..... 99% boiling range ..... 44—45 °C refractive index (n_D^{20}) ..... 1,422 R: 11 S: 9-16-33 disposal: 6	FL. *2901*	100 ml	31,25	26,55	25,—	23,45

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3345 3/1A 3.2 1993 2 13 °C	**Cyclopentylamine** PROSYNTH® *Cyclopentylamine / Ciclopentilamina* $\underbrace{CH_2(CH_2)_3}CHNH_2$ $C_5H_{11}N$ $M = 85{,}15$ g/mol **1 L ≈ 0,86 kg** assay (GC) ..... 98 % boiling range ..... 106–108 °C refractive index (n_D^{20}) ..... 1,450 R: 11-36/37/38 S: 16-26-29 disposal: 19	FL. *2922*	50 ml	39,–	33,15	31,20	29,25
2406 3/3 3.3 1993 2 42 °C	**Cyclopentyl bromide** PROSYNTH® *Cyclopentyle bromure / Ciclopentilo bromuro* $\underbrace{CH_2(CH_2)_3}CHBr$ C_5H_9Br $M = 149{,}03$ g/mol **1 L ≈ 1,39 kg** assay (GC) ..... 98 % boiling range ..... 137–139 °C refractive index (n_D^{20}) ..... 1,489 R: 10 disposal: 7	FL. *2902*	100 ml	75,50	64,20	60,40	56,65
2407	**Cyclopropanecarboxylic acid** PROSYNTH® *Acide cyclopropanecarboxylique / Acido ciclopropanocarboxílico* $\underbrace{CH_2CH_2}CHCOOH$ $C_4H_6O_2$ $M = 86{,}09$ g/mol **1 L ≈ 1,09 kg** assay (GC) ..... 97 % boiling range ..... 182–184 °C refractive index (n_D^{20}) 1,438	FL. *2914*	50 ml	43,75	37,20	35,–	32,80
63347 A 6.1/21 C 6.1 1935 1	**Cyclopropanecarboxylic acid nitrile** PROSYNTH® *Acide cyclopropanecarboxylique nitrile / Acido ciclopropanocarboxílico nitrilo* $\underbrace{CH_2CH_2}CHCN$ C_4H_5N $M = 67{,}09$ g/mol **1 L ≈ 0,90 kg** assay (GC) ..... 97 % boiling range ..... 133–135 °C refractive index (n_D^{20}) ..... 1,421 R: 23/24/25 S: 44 disposal: 15	FL. *2927*	5 ml	13,25	11,25	10,60	9,95
63346 A 3/5 C 3.2 1993 2 +1 °C	**Cyclopropylamine** PROSYNTH® *Cyclopropylamine / Ciclopropilamina* $\underbrace{CH_2CH_2}CHNH_2$ C_3H_7N $M = 57{,}10$ g/mol **1 L ≈ 0,82 kg** assay (GC) ..... 98 % boiling range ..... 48–50 °C refractive index (n_D^{20}) ..... 1,421 R: 11-36/37/38 S: 9-16 disposal: 19	FL. *2922*	25 ml	71,50	60,80	57,20	53,65
	Cyclo propyl bromide see Bromocyclopropane						
62408 A 3/1A C 3.2 1224 2 +13 °C	**Cyclopropyl methyl ketone** PROSYNTH® *Cyclopropylméthylcétone / Ciclopropilmetilcetona* $CH_3CO\underbrace{CHCH_2CH_2}$ C_5H_8O $M = 84{,}12$ g/mol **1 L ≈ 0,90 kg** assay (GC) ..... 99 % boiling range ..... 111–113 °C refractive index (n_D^{20}) ..... 1,425 R: 11 S: 9-16-33 disposal: 6	FL. *2913*	100 ml	135,50	115,20	108,40	101,65

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64459	**Cyclopropyltriphenylphosphonium bromide** PROSYNTH® *Cyclopropyltriphénylphosphonium bromure / Ciclopropiltrifenilfosfonio bromuro* $\underbrace{CH_2CH_2}CHP(Br)(C_6H_5)_3$ $C_{21}H_{20}BrP$ $M = 383{,}27$ g/mol assay (ex Br) ..... 98% melting range ..... 183–185 °C	WG. *2919*	10 g	124,50	105,85	99,60	93
39424	**D-Cycloserine** BIOSYNTH® *D-Cyclosérine / D-Cicloserina* $\underbrace{CH_2ONHCO}CHNH_2$ $C_3H_6N_2O_2$ $M = 102{,}09$ g/mol	WG. *2935*	5 g	40,50	34,45	32,40	30
35805 C ./. ./.	**Cycluron** min. 99% PESTANAL® (3-Cyclooctyl-1,1-dimethylurea) $\underbrace{CH_2(CH_2)_6}CHNHC(O)N(CH_3)_2$ $C_{11}H_{22}N_2O$ $M = 198{,}31$ g/mol R: 20/21/22 S: 2-13 disposal: 7	FL. *2925*	1 g	28,25	24,–	22,60	21,
15333 A 3/3 C 3.3 1993 2 +47 °C	**p-Cymene** *p-Cymène / p-Cimeno* $C_6H_4(CH_3)[CH(CH_3)_2]$ $C_{10}H_{14}$ $M = 134{,}22$ g/mol 1 L ≈ 0,86 kg assay (GC) ..... 97% boiling range ..... 174–177 °C density (D_4^{20}) ..... 0,858–0,860 refractive index (n_D^{20}) ..... 1,4880–1,4900 non-volatile matter ..... 0,005% R: 10 disposal: 6	FL. EKL. *2901*	1 L 25 kg	25,25 price on request	21,45	20,20	19,
	Cyprylic acid amide see Octanamide						
64460	**Cystamine dichloride** PROSYNTH® *Cystamine dichlorhydrate / Cistaminio dicloruro* $NH_2CH_2CH_2SSCH_2CH_2NH_2 \cdot 2HCl$ $C_4H_{14}Cl_2N_2S_2$ $M = 225{,}20$ g/mol assay (ex Cl) ..... 98% melting range ..... 213–215 °C	WG. *2931*	25 g	45,25	38,45	36,20	33,
63603	**Cysteamine hydrochloride** PROSYNTH® *Cystéamine chlorhydrate / Cisteamina clorhidrato* $HSCH_2CH_2NH_2 \cdot HCl$ C_2H_8ClNS $M = 113{,}61$ g/mol assay (ex N) ..... 98% melting range ..... 67–69 °C	WG. *2931*	10 g	12,75	10,85	10,20	9,
39010	**L(+)-Cysteine** BIOSYNTH® *L(+)-Cystéine / L(+)-Cisteina* $HSCH_2CH(NH_2)COOH$ $C_3H_7NO_2S$ $M = 121{,}16$ g/mol assay (ex N) ..... 98% specific rotation ($[\alpha]_D^{20}$; c = 10 in HCl 1 mol/l) . +5° ±1°	WG. *2931*	25 g	17,–	14,45	13,60	12,
15337	**L(+)-Cysteine hydrochloride** *L(+)-Cystéine chlorhydrate / L(+)-Cisteina clorhidrato* $CH_2(SH)CH(NH_2)COOH \cdot HCl \cdot H_2O$ $C_3H_8ClNO_2S \cdot H_2O$ $M = 175{,}64$ g/mol assay of $C_3H_8ClNO_2S$ in dried substance ..... 99% specific rotation ($[\alpha]_D^{20}$; c = 5,0 in N HCl) ..... +5,0° to +8,0° loss on drying ..... 10% sulphated ash ..... 0,05% iron (Fe) ..... 0,001% heavy metals (as Pb) 0,005%	PF. PF. *2931*	25 g 100 g	11,– 28,–	9,35 23,80	8,80 22,40	8,2 21,–

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9009	**L(–)-Cystine** BIOSYNTH® *L(–)-Cystine / L(–)-Cistina* $HOOCCH(NH_2)CH_2SSCH_2CH(NH_2)COOH$ $C_6H_{12}N_2O_4S_2$ *M* = 240,30 g/mol specific rotation ($[\alpha]_D^{20}$; c = 2 in HCl 1 mol/l) .... −210°	PF. *2931*	100 g	32,75	27,85	26,20	24,55
9226	**Cytidine** BIOSYNTH® *Cytidine / Citidina* $\underline{CON=C(NH_2)CH=CH}\underline{NCHCHOHCHOHCH(CH_2OH)O}$ $C_9H_{13}N_3O_5$ *M* = 243,22 g/mol assay (ex N) ..... 99% melting range ..... 210–215 °C specific rotation ($[Ga]_D^{20}$; c = 0,7 in H_2O) ..... +31° ±2°	FL. *2935*	1 g	10,50	8,95	8,40	7,90
39331	**Cytidine-5'-diphosphoric acid trisodium salt** BIOSYNTH® *Acide cytidine-5'*-diphosphorique sel trisodique / *Acido citidin-5'-difosfórico sal trisódica* package of 50 mg $C_9H_{12}N_3Na_3O_{11}P_2 \cdot 2H_2O$ *M* = 505,15 g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	*2935*	1 pack	52,50	44,65	42,—	39,40
39227	**Cytidine monophosphoric acid** BIOSYNTH® *Acide cytidinemonophosphorique / Acido citidinmonofosfórico* $C_9H_{14}N_3O_8P$ *M* = 323,20 g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	FL. *2935*	1 g	56,—	47,60	44,80	42,—
39332	**Cytidine-2'(3')-monophosphoric acid** BIOSYNTH® *Acide cytidine-2'(3')-monophosphorique / Acido citidin-2'(3')-monofosfórico* $C_9H_{14}N_3O_8P$ *M* = 323,20 g/mol	FL. *2919*	1 g	43,75	37,20	35,—	32,80
39228	**Cytidine-5'-monophosphoric acid disodium salt** PROSYNTH® *Acide cytidine-5'-monophosphoriqúe sel disodique / Acido citidin-5'-monofosfórico sal disódica* $C_9H_{12}N_3Na_2O_8P$ *M* = 367,16 g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	FL. *2935*	1 g	10,75	9,15	8,60	8,05
39229	**Cytosine** BIOSYNTH® *Cytosine / Citosina* $\underline{N=C(OH)N=C(NH_2)CH=CH}$ $C_4H_5N_3O$ *M* = 111,10 g/mol assay (UV) ..... 97% log $\varepsilon_{/275}$ (HCl 0,1 mol/l) 4,008	FL. *2935*	1 g	16,25	13,80	13,—	12,20
	Cytosine-[d-ribofurane oxide] see Cytidine						
35715 A 6.1/83 C 6.1 ./. 3	**2,4-D** min. 99% PESTANAL® (2,4-Dichlorophenoxyaceticacid) $Cl_2C_6H_3OCH_2COOH$ $C_8H_6Cl_2O_3$ *M* = 221,04 g/mol R: 20/21/22 S: 2-13 disposal: 7	FL. *2916*	1 g	14,50	12,35	11,60	10,90
	DANSYL-chloride see 5-Dimethylaminonaphthalenesulphonyl-1-chloride						

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35887 A 6.1/83 C 6.1 1681 3 156 °C	**Dazomet** min. 99% PESTANAL® (3,5-Dimethyl-1,3,5-2H-tetrahydrothiadiazinthione-[2]) $SC(S)N(CH_3)CH_2N(CH_3)CH_2$ $C_5H_{10}N_2S_2$ $M = 162{,}28$ g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 21/22 S: 2-13 disposal: 7	FL. *2935*	1 g	28,25	24,—	22,60	21,
35774 A 6.1/83 C 6.1 ./. 3	**2,4-DB** min. 99% PESTANAL® [4-(2,4-Dichlorophenoxy)-butyric acid] $Cl_2C_6H_3O(CH_2)_3COOH$ $C_{10}H_{10}Cl_2O_3$ $M = 249{,}09$ g/mol R: 20/21/22 S: 2-13 disposal: 7	FL. *2916*	1 g	21,50	18,30	17,20	16,
35771	**4,4'-DBP** min. 99% PESTANAL® (4,4'-Dichlorobenzophenone) $ClC_6H_4COC_6H_4Cl$ $C_{13}H_8Cl_2O$ $M = 251{,}11$ g/mol	FL. *2913*	1 g	28,25	24,—	22,60	21,
35769	**4,4'-DDA** min. 99% PESTANAL® [2,2-Bis-(4-chlorophenyl)-acetic acid] $ClC_6H_4CH(COOH)C_6H_4Cl$ $C_{14}H_{10}Cl_2O_2$ $M = 281{,}14$ g/mol	FL. *2914*	1 g	56,50	48,05	45,20	42,
35844 A 6.1/83B2 C 6.1 1615 3	**2,4'-DDD** min. 99% PESTANAL® [1,1-Dichloro-2-(chlorophenyl)-2-(4-chlorophenyl)-ethane] $ClC_6H_4CH(CHCl_2)C_6H_4Cl$ $C_{14}H_{10}Cl_4$ $M = 320{,}05$ g/mol	FL. *2902*	1 g	70,—	59,50	56,—	52,
35768 A 6.1/83B2 C 6.1 1615 3	**4,4'-DDD (TDE)** min. 99% PESTANAL® [1,1-Dichloro-2,2-bis-(4-chlorophenyl)-ethane] $ClC_6H_4CH(CHCl_2)C_6H_4Cl$ $C_{14}H_{10}Cl_4$ $M = 320{,}05$ g/mol	FL. *2902*	1 g	56,50	48,05	45,20	42,
35878 A 6.1/82B2 C 6.1 1615 3	**2,4'-DDE** min. 98% PESTANAL® (1,1-Dichloro-2-[2-chlorophenyl]-2-[4-chlorophenyl]-ethylene) $ClC_6H_4C(=CCl_2)C_6H_4Cl$ $C_{14}H_8Cl_4$ $M = 318{,}03$ g/mol	FL. *2902*	1 g	56,50	48,05	45,20	42
35766 A 6.1/82B2 C 6.1 1615 3	**4,4'-DDE** min. 99% PESTANAL® [1,1-Dichloro-2,2-bis-(4-chlorophenyl)-ethene] $ClC_6H_4C(=CCl_2)C_6H_4Cl$ $C_{14}H_8Cl_4$ $M = 318{,}03$ g/mol	FL. *2902*	1 g	28,25	24,—	22,60	21
35807	**4,4'-DDM** min. 99% PESTANAL® [Bis-(4-chlorophenyl)-methane] $ClC_6H_4CH_2C_6H_4Cl$ $C_{13}H_{10}Cl_2$ $M = 237{,}13$ g/mol	FL. *2902*	1 g	56,50	48,05	45,20	42
35818 A 6.1/82B2 C 6.1 1615 3	**4,4'-DDMU** min. 99% PESTANAL® [1,1-Bis-(4-chlorophenyl)-2-chloroethylene] $ClC_6H_4C(=CHCl)C_6H_4Cl$ $C_{14}H_9Cl_3$ $M = 283{,}58$ g/mol	FL. *2902*	1 g	56,50	48,05	45,20	42
35792	**4,4'-DDOH** min. 99% PESTANAL® [2,2-Bis-(4-chlorophenyl)-ethanol-(1)] $ClC_6H_4CH(CH_2OH)C_6H_4Cl$ $C_{14}H_{12}Cl_2O$ $M = 267{,}15$ g/mol	FL. *2904*	1 g	56,50	48,05	45,20	42
35724 A 6.1/82B C 6.1 1615 3	**2,4'-DDT** min. 99% PESTANAL® [1,1,1-Trichloro-2-(2-chlorophenyl)-2-(4-chlorophenyl)-ethane] $ClC_6H_4CH(CCl_3)C_6H_4Cl$ $C_{14}H_9Cl_5$ $M = 354{,}49$ g/mol R: 23/24/25-33 S: 2-13-44 disposal: 7	FL. *2902*	1 g	62,50	53,15	50,—	46

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5723 6.1/82B 6.1 1615 3	**4,4'-DDT** min. 99% PESTANAL® [1,1,1-Trichloro-2,2-bis-(4-chlorophenyl)-ethane] $ClC_6H_4CH(CCl_3)C_6H_4Cl$ $C_{14}H_9Cl_5$ $M = 354{,}49$ g/mol R: 23/24/25-33 S: 2-13-44 disposal: 7	FL. *2902*	1 g	14,—	11,90	11,20	10,50
	DEAE Cellulose see Cellulose DEAE						
2888	**Decabromo diphenyl ether** *Ether decabromo diphénylique / Eter decabromo difenílico* $C_6Br_5OC_6Br_5$ $C_{12}Br_{10}O$ $M = 959{,}17$ g/mol assay (ex Br) 97%	WG. *2908*	1 kg	106,50	90,55	85,20	82,—
	Decadeuterodiethyl ether see Diethyl ether-D_{10}						
	Decahydronaphthalene see Decalin						
4219 3/3 3.3 1147 2 -57 °C	**Decalin** *Décaline / Decalina* $C_{10}H_{18}$ $M = 138{,}25$ g/mol **1 L ≈ 0,88 kg** assay (GC) ..... 99% boiling range ..... 182—192 °C density (D^{20}_4) ..... 0,873—0,886 refractive index (n^{20}_D) ..... 1,4700—1,4800 non-volatile matter ..... 0,05% water (according to Karl Fischer) ..... 0,05% R: 10 disposal: 6	FL. FL. EKL. F. *2901*	1 L 2,5 L 25 kg 170 kg	19,75 42,— kg price on request	16,80 34,85 8,65	15,80 32,75	15,20 31,50
	Decamethylene dibromide see 1,10-Dibromodecane						
	Decamethylene glycol see Decanediol-(1,10)						
	Decanal see Caprinaldehyde						
62409 A 3/3 C 3.3 1993 2 +46 °C	**Decane** PROSYNTH® *Décane / Decano* $CH_3(CH_2)_8CH_3$ $C_{10}H_{22}$ $M = 142{,}28$ g/mol **1 L ≈ 0,73 kg** assay (GC) ..... 95% boiling range ..... 172—175 °C refractive index (n^{20}_D) ..... 1,412 R: 10 disposal: 6	FL. *2901*	500 ml	41,50	35,30	33,20	31,95
32255 A 3/3 C 3.3 2247 3 +47 °C	***n*-Decane** min. 99,9% for gas chromatography *n-Décane / n-Decano* $CH_3(CH_2)_8CH_3$ $C_{10}H_{22}$ $M = 142{,}28$ g/mol **1 L ≈ 0,73 kg** R: 10 disposal: 6	FL. *2901*	5 ml	49,25	41,85	39,40	36,95
	1-Decanecarboxylic acid see Undecanoic acid						
63349 A 8/35 C 8 1760 2	**Decanediamine-(1,10)** PROSYNTH® *Décanediamine-(1-10) / Decanodiamino-(1,10)* $NH_2(CH_2)_{10}NH_2$ $C_{10}H_{24}N_2$ $M = 172{,}31$ g/mol assay (ex N) ..... 97% melting range ..... 60—62 °C	WG. *2922*	25 g	79,50	67,60	63,60	59,65
	1,2-Decanedicarboxylic acid see Octylsuccinic acid						
62410	**Decanediol-(1,10)** PROSYNTH® *Décanediol-(1-10) / Decanodiol-(1,10)* $HO(CH_2)_{10}OH$ $C_{10}H_{22}O_2$ $M = 174{,}28$ g/mol assay (GC) ..... 98% melting range ..... 70—73 °C	PF. *2904*	100 g	24,—	20,40	19,20	18,—

PURANAL® high purity chemicals

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63351 A 3/4 +99 °C	**Decanethiol-(1)** PROSYNTH® *Décanethiol-(1) / Decanotiol-(1)* $CH_3(CH_2)_9SH$ $C_{10}H_{22}S$ M = 174,35 g/mol **1 L ≈ 0,85 kg** assay (GC) ..... 95% boiling range ..... 239–241 °C refractive index (n_D^{20}) 1,458	FL. *2931*	100 ml	60,50	51,45	48,40	45
	Decanoic acid see Capric acid						
62411 A 3/4 +82 °C	**1-Decanol** PROSYNTH® *Décanol-(1) / Decanol-(1)* $CH_3(CH_2)_9OH$ $C_{10}H_{22}O$ M = 158,28 g/mol **1 L ≈ 0,83 kg** assay (GC) ..... 98% boiling range ..... 229–231 °C refractive index (n_D^{20}) 1,437	FL. *2904*	1 L	22,–	18,70	17,60	16
64493 A 3/4 +80 °C	**5-Decanol** PROSYNTH® *Décanol-5 / 5-Decanol* $CH_3(CH_2)_4CH(OH)(CH_2)_3CH_3$ $C_{10}H_{22}O$ M = 158,28 g/mol **1 L ≈ 0,81 kg** assay (GC) ..... 98% boiling range (at 15 mbar) ..... 97–99 °C refractive index (n_D^{20}) 1,433	FL. *2904*	10 ml	47,–	39,95	37,60	3
60454 A 3/4 +82 °C	***iso*-Decanol** PROSYNTH® (mixture of isomers) *iso-Décanol / iso-Decanol* $C_{10}H_{22}O$ M = 158,28 g/mol **1 L ≈ 0,84 kg** assay ..... 99% boiling range ..... 215–225 °C refractive index (n_D^{20}) 1,440	FL. *2904*	500 ml	13,25	11,25	10,60	1
30827 A 3/4 +86 °C	**Decanone-(2)** min. 99,9% for gas chromatography *Décanone-(2) / Decanona-(2)* $CH_3(CH_2)_7COCH_3$ $C_{10}H_{20}O$ M = 156,27 g/mol **1 L ≈ 0,84 kg**	FL. *2913*	5 ml	49,25	41,85	39,40	3
62412 A 3/4 +86 °C	**Decanone-(2)** PROSYNTH® *Décanone-(2) / Decanona-(2)* $CH_3(CH_2)_7COCH_3$ $C_{10}H_{20}O$ M = 156,27 g/mol **1 L ≈ 0,82 kg** assay (GC) ..... 95% boiling range ..... 209–212 °C refractive index (n_D^{20}) 1,426	FL. *2913*	50 ml	57,–	48,45	45,60	4
30828	**Decanone-(3)** min. 99,9% for gas chromatography *Décanone-(3) / Decanona-(3)* $CH_3(CH_2)_6COC_2H_5$ $C_{10}H_{20}O$ M = 156,27 g/mol **1 L ≈ 0,83 kg**	FL. *2913*	5 ml	49,25	41,85	39,40	
62413 A 3/4 +81 °C	**Decanone-(3)** PROSYNTH® *Décanone-(3) / Decanona-(3)* $CH_3(CH_2)_6COC_2H_5$ $C_{10}H_{20}O$ M = 156,27 g/mol **1 L ≈ 0,83 kg** assay (GC) ..... 95% boiling range ..... 202–205 °C refractive index (n_D^{20}) 1,423	FL. *2913*	50 ml	38,75	32,95	31,–	
62415 A 3/3 C 3.3 1993 2 +44 °C	**Decene-(1)** PROSYNTH® *Décène-(1) / Deceno-(1)* $CH_3(CH_2)_7CH=CH_2$ $C_{10}H_{20}$ M = 140,27 g/mol **1 L ≈ 0,74 kg** assay (GC) ..... 98% boiling range ..... 169–171 °C refractive index (n_D^{20}) 1,421	FL. *2901*	100 ml	29,50	25,10	23,60	
	Decyl alcohol see Decanol-(1)						

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2464 3/35 3 1719 2 39 °C	**Decylamine** PROSYNTH® *Décylamine / Decilamina* $CH_3(CH_2)_9NH_2$ $C_{10}H_{23}N$ M = 157,30 g/mol 1 L ≈ 0,79 kg assay (GC) ..... 95% boiling range ..... 215–217 °C refractive index (n_D^{20}) 1,436	FL. 2922	500 ml	47,–	39,95	37,60	36,20
	Decylbenzene see 1-Phenyldecane						
	Decyl bromide see 1-Bromodecane						
3983	**Decylcyclohexane** PROSYNTH® *Décylcyclohexane / Decilciclohexano* $\underline{CH_2(CH_2)_4CH}(CH_2)_9CH_3$ $C_{16}H_{32}$ M = 224,43 g/mol assay (GC) ..... 96% boiling range (at 13 mbar) ..... 150–152 °C refractive index (n_D^{20}) 1,454	FL. 2901	10 g	43,75	37,20	35,–	32,80
	Decylmercaptan see Decanethiol-(1)						
3984	**Decylsuccinic acid** PROSYNTH® *Acide décylsuccinique / Acido decilsuccínico* $HOOCCH_2CH_2CH[(CH_2)_9CH_3]COOH$ $C_{14}H_{26}O_4$ M = 258,36 g/mol	WG. 2915	25 g	34,50	29,35	27,60	25,90
2417	**Dehydroacetic acid** PROSYNTH® *Acide déhydroacétique / Acido dehidroacético* $\underline{OCOC(COCH_3)=C(OH)CH=C}CH_3$ $C_8H_8O_4$ M = 168,15 g/mol assay (alkalimetric) ..... 98% melting range ..... 109–111 °C	PF. 2935	250 g	22,–	18,70	17,60	16,50
3986	**Dehydroacetic acid sodium salt** PROSYNTH® *Acide déhydroacétique sel sodique / Acido dehidroacético sal sódica* $\underline{OCOC(COCH_3)=C(ONa)CH=C}CH_3$ $C_8H_7NaO_4$ M = 190,13 g/mol assay ..... 98% melting range ..... 284–287 °C (disint.)	WG. 2935	250 g	54,–	45,90	43,20	40,50
3990	**Dehydroascorbic acid** PROSYNTH® *Acide déhydroascorbique / Acido dehidroascórbico* $HOCH_2CH(OH)\underline{CHCOCOCO}$ $C_6H_6O_6$ M = 174,11 g/mol assay ..... 95% melting range ..... 225–228 °C (disint.)	FL. 2935	1 g	92,–	78,20	73,60	69,–
20305	**Dehydrocholic acid** U. S. P. XVI, Ö.A.B. 9 *Acide déhydrocholique / Acido dehidrocólico* $C_{24}H_{34}O_5$ M = 402,54 g/mol	PF. PF. FTP. 2916	100 g 1 kg 25 kg	29,– 218,– price on request	24,65 185,30	23,20 174,40	21,75 167,85
	Delafield's hematoxylin solution see Hematoxylin solution according to Delafield						
35888 A 6.1/82A1 C 6.1 1615 2	**Demeton-S-methylsulfon** min. 99% PESTANAL® (0,0-Dimethyl-S-[thia-(dioxo)-pentyl]-phosphormonothioate) $(CH_3O)_2P(O)SCH_2CH_2SO_2CH_2CH_3$ $C_6H_{15}O_5PS_2$ M = 262,29 g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 23/24/25 S: 2-13-44 disposal: 7	FL. 2921	1 g	28,25	24,–	22,60	21,20

SPECTRANAL® solvents for spectroscopy

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	(16
36069 A 6.1/53 C 6.1 2024 2	**Denigès' reagent** for acetone *Réactif de Denigès / Reactivo de Denigès* **1 L ≈ 1,26 kg** R: 26/27/28-33 S: 1/2-13-28-45 disposal: 26	FL. *3819*	250 ml	13,25	11,25	10,60	
39335	**2'-Deoxyadenosine** BIOSYNTH® *Désoxy-2'-adénosine / 2'-Desoxiadenosina* $C_{10}H_{13}N_5O_3 \cdot H_2O$ $M = 269{,}26$ g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	FL. *2935*	1 g	54,50	46,35	43,60	4
	2-Deoxy-o-altromethylose see D(+)-Digitoxose						
62418	**Deoxybenzoin** PROSYNTH® *Désoxybenzoïne / Desoxibenzoina* $C_6H_5COCH_2C_6H_5$ $C_{14}H_{12}O$ $M = 196{,}25$ g/mol assay (GC) ..... 98% melting range ..... 52–55 °C	PF. *2913*	100 g	56,—	47,60	44,80	4
20303	**Deoxycholic acid** chem. pure *Acide désoxycholique / Acido desoxicólico* $C_{24}H_{40}O_4$ $M = 392{,}58$ g/mol	PF. PF. FTP. *2916*	100 g 1 kg 40 kg	63,— 475,—	53,55 403,75 price on request	50,40 380,—	4 36
	Deoxycholic acid sodium salt see Sodium deoxycholate						
39338	**2'-Deoxycytidinium chloride** BIOSYNTH® *Désoxy-2'-cytidine chlorhydrate / 2'-Desoxicitdinio cloruro* package of 250 mg $C_9H_{14}ClN_3O_4$ $M = 263{,}68$ g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	*2935*	1 pack	31,50	26,80	25,20	2
39132	**2-Deoxy-D-glucose** BIOSYNTH® *2-Désoxy-D-glucose / 2-Desoxi-D-glucosa* $HOCH_2\underline{CH(CHOH)_2CH_2CH(OH)O}$ $C_6H_{12}O_5$ $M = 164{,}16$ g/mol melting range ..... 148–150 °C specific rotation ($[\alpha]_D^{20}$; c = 1 in H_2O) ..... +44° ±1°	FL. *2943*	1 g	32,75	27,85	26,20	2
39340	**2'-Deoxyguanosine** BIOSYNTH® *2'-Désoxyguanosine / 2'-Desoxiguanosina* package of 250 mg $C_{10}H_{13}N_5O_4$ $M = 267{,}24$ g/mol	*2935*	1 pack	31,25	26,55	25,—	2
39341	**2'-Deoxyinosine** *2'-Désoxyinosine / 2'-Desoxiinosina* package of 100 mg $C_{10}H_{12}N_4O_4$ $M = 252{,}23$ g/mol	*2935*	1 pack	28,50	24,25	22,80	2
63353	**4'-Deoxypyridoxol hydrochloride** PROSYNTH® *4'-Désoxypyridoxol chlorhydrate / 4'-Desoxipiridoxol clorhidrato* $\underline{C(CH_3)=C(OH)C(CH_3)=C(CH_2OH)CH=N} \cdot HCl$ $C_8H_{12}ClNO_2$ $M = 189{,}64$ g/mol assay (ex Cl) ..... 98% melting range ..... 263–265 °C (disint.)	FL. *2935*	1 g	56,—	47,60	44,80	4

ode-Number RID/ADR GGVE/GGVS IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
9133	**2-Deoxy-D-ribose** BIOSYNTH® *2-Désoxy-D-ribose / 2-Desoxi-D-ribosa* $CH_2(CHOH)_2CH_2CH(OH)O$ $C_5H_{10}O_4$ *M* = 134,13 g/mol specific rotation ($[\alpha]_D^{20}$; c = 1 in H_2O) ..... −58° ± 1°	FL. *2943*	1 g	28,—	23,80	22,40	21,—
39347	**2'-Deoxyuridine** BIOSYNTH® *2'-Désoxyuridine / 2'-Desoxiuridina* package of 250 mg $C_9H_{12}N_2O_5$ *M* = 228,20 g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	*2935*	1 pack	34,—	28,90	27,20	25,50
	Desensitizers see Photographic dyes						
35849	**Desmetryn** min. 99% PESTANAL® (2-*iso*-Propylamino-4-methylamino-6-methylthio-1,3,5-triazine) $N=C(NHCH_3)N=C(SCH_3)N=CNHCH(CH_3)_2$ $C_8H_{15}N_5S$ *M* = 213,31 g/mol R: 20/21/22 S: 2-13 disposal: 7	FL. *2935*	1 g	56,50	48,05	45,20	42,40
09016	**Deuterium oxide** (heavy water) deuteration degree not less than 99,7 atom% D *Deutérium oxyde / Deuterio óxido* D_2O *M* = 20,00 g/mol 1 L ≈ 1,11 kg	FL. FL. *2851*	50 ml 250 ml	106,— 436,—	90,10 370,60	84,80 348,80	79,50 327,—
	tri-**Deuteroammonia solution** see Ammonia-D_3-solution						
	tetra-**Deuteroammonium chloride** see Ammonium chloride-D_4						
	Deuterobromoform see Bromoform-D						
	Deuterochloroform see Chloroform-D_1						
	tetra-**Deuterolithium aluminium hydride** see Lithium aluminium hydride-D_4						
	Deuteronitric acid see Nitric acid-D						
	Deuteroparaformaldehyde see Paraformaldehyde-D_x						
	Deuteropolystyrene see Polystyrene-D_x						
	Deuterosodium hydroxide solution see Sodium hydroxide-D solution						
	di-**Deuterosulphuric acid** see Sulphuric acid D_2						
	Deuterotrifluoroacetic acid see Trifluoroacetic acid-D						
	Deutrochloric acid see Hydrochloric acid-D						
31609	**Devarda's alloy** R. G. powder *Alliage de Devarda / Aleación de Devarda*	PF. PF. *7406*	250 g 1 kg	19,50 63,50	16,60 54,—	15,60 50,80	14,65 48,90
14903	**Devarda's alloy** *Alliage de Devarda / Aleación de Devarda*	PF. PF. *7406*	500 g 1 kg	30,25 56,—	25,70 47,60	24,20 44,80	23,30 43,10
39423	**Dextran MG 40000** BIOSYNTH® *Dextran MG 40000 / Dextrano MG 40000* $(C_6H_{10}O_5)_n$	WG. *3906*	10 g	28,50	24,25	22,80	21,40
39418	**Dextran MG 70000** BIOSYNTH® *Dextran MG 70000 / Dextrano MG 70000* $(C_6H_{10}O_5)_n$	WG. *3906*	10 g	28,50	24,25	22,80	21,40

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	9 (16 B
39471	**Dextran MG 110000** BIOSYNTH® *Dextran MG 110000 / Dextrano MG 110000* $(C_6H_{10}O_5)_n$	WG. *3906*	10 g	28,50	24,25	22,80	21
	Dextrose see D(+)-Glucose						
64521	**Diacetamide** PROSYNTH® *Diacétamide / Diacetamida* $(CH_3CO)_2NH$ $C_4H_7NO_2$ $M = 101{,}10$ g/mol assay (ex N) ..... 99% melting range ..... 74–76 °C	WG. *2926*	10 g	30,75	26,15	24,60	23
62419	**Diacetin** PROSYNTH® mixture ex glycerol diacetate and -triacetate *Diacétine / Diacetina* 1 L ≈ 1,18 kg	FL. *2914*	500 ml	23,75	20,20	19,—	18
24220 C 3.3 1148 3 +58 °C	**Diacetone alcohol** *Diacétone alcool / Diacetonalcohol* $(CH_3)_2C(OH)CH_2COCH_3$ $C_6H_{12}O_2$ $M = 116{,}16$ g/mol 1 L ≈ 0,94 kg boiling range ..... 166–170 °C density (D_4^{20}) ..... 0,939–0,942 refractive index (n_D^{20}) ..... 1,4220–1,4240 R: 36 S: 24/25 disposal: 6	FL. FL. EKL. *2913*	1 L 2,5 L 30 kg	14,25 29,75	12,10 24,70 price on request	11,40 23,20	10 22
64576	**3,5-Diacetoxy-acetophenone** PROSYNTH® *Diacétoxy-3-5-acétophénone / 3,5-Diacetoxiacetofenona* $(CH_3COO)_2C_6H_3COCH_3$ $C_{12}H_{12}O_5$ $M = 236{,}22$ g/mol assay ..... 98% melting range ..... 92–95 °C	WG. *2916*	100 g	78,—	66,30	62,40	58
62420 A 3/1A C 3.2 2346 2 +9 °C	**Diacetyl** PROSYNTH® *Diacétyle / Diacetilo* $CH_3COCOCH_3$ $C_4H_6O_2$ $M = 86{,}09$ g/mol 1 L ≈ 0,98 kg assay (GC) ..... 99% boiling range ..... 87–89 °C refractive index (n_D^{20}) ..... 1,395 R: 11 S: 9-16-33 disposal: 6	FL. *2913*	250 ml	46,50	39,55	37,20	34
63987	**N,N-Diacetylaminorhodanine** PROSYNTH® *N-N-Diacétylaminorhodanine / N,N-Diacetilaminorodanina* $(CH_3CO)_2NNCSSCH_2CO$ $C_7H_8N_2O_3S_2$ $M = 232{,}28$ g/mol melting range ..... 94–96 °C	FL. *2935*	1 g	77,50	65,90	62,—	58
	Diacetyldioxime see Dimethylglyoxime						
33124	**Diacetylmonoxime** R. G. *Diacétylmonoxime / Diacetilmonoxima* $CH_3COC(NOH)CH_3$ $C_4H_7NO_2$ $M = 101{,}10$ g/mol assay ..... min. 99% melting range ..... 74–76% sulfated ash ..... max. 0,05%	WG. *2929*	100 g	63,—	53,55	50,40	47

refer explanations

de-Number RID/ADR GGVE/GGVS MDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
850 6.1/81D 6.1 ./. 3	**Diallate** Mixture of *cis*- and *trans*-isomers min. 99% PESTANAL® (N,N-Di-*iso*-propyl-2,3-dichloroallyl thiocarbamate) $[(CH_3)_2CH]_2NCOSCH_2CCl=CHCl$ $C_{10}H_{17}Cl_2NOS$ $M = 270{,}22$ g/mol keep in refrigerator à stocker dans le frigidaire almacenje en la nevera R: 22-36/38 S: 2-13-39 disposal: 7	FL. *2931*	2 g	56,50	48,05	45,20	42,40
2434 3/5 3.2 2358 2 7 °C	**Diallylamine** PROSYNTH® *Diallylamine / Dialilamina* $(CH_2=CHCH_2)_2NH$ $C_6H_{11}N$ $M = 97{,}16$ g/mol 1 L ≈ 0,79 kg assay (GC) ..... 98% boiling range ..... 110–112 °C refractive index (n_D^{20}) ..... 1,440 R: 11-36/37 S: 16-26-29 disposal: 19	FL. *2922*	100 ml	11,75	10,—	9,40	8,80
3355 3/3 3.3 1993 2 -51 °C	**Diallyl disulphide** PROSYNTH® *Diallyle disulfure / Dialilo disulfuro* $CH_2=CHCH_2SSCH_2CH=CH_2$ $C_6H_{10}S_2$ $M = 146{,}28$ g/mol 1 L ≈ 1,01 kg assay (GC) ..... 65% containing diallyl sulphide R: 10 disposal: 15	FL. *2931*	100 ml	119,—	101,15	95,20	89,25
	Diallyl malonic acid diethyl ester see Diethyl diallylmalonate						
33956	**Diamine light turqoise blue FBL** for microscopy *Diamine-clair-turquoise bleu FBL / Diamino-luz-turquesa azul FBL*	WG. *3205*	25 g	12,—	10,20	9,60	9,—
63356	**1,4-Diaminoanthraquinone** PROSYNTH® *1-4-Diaminoanthraquinone / 1,4-Diaminoantraquinona* $OCC_6H_4COC_6H_2(NH_2)_2$ $C_{14}H_{10}N_2O_2$ $M = 238{,}25$ g/mol assay (ex N) ..... 96% melting range ..... 255–260 °C	WG. *2923*	100 g	17,50	14,90	14,—	13,15
	1,4-Diaminobenzene see 1,4-Phenylenediamine						
64476	**3,4-Diaminobenzoic acid** PROSYNTH® *Acide diamino-3-4-benzoïque / Acido 3,4-diaminobenzóico* $(NH_2)_2C_6H_3COOH$ $C_7H_8N_2O_2$ $M = 152{,}15$ g/mol assay (alkalimetric) ..... 98% melting range ..... 213–216 °C (disint.)	WG. *2923*	25 g	27,25	23,15	21,80	20,45
62435	**3,5-Diaminobenzoic acid** PROSYNTH® *Acide diamino-3-5-benzoïque / Acido 3,5-diaminobenzóico* $(NH_2)_2C_6H_3COOH$ $C_7H_8N_2O_2$ $M = 152{,}15$ g/mol assay (alkalimetric) ..... 98% melting range ..... 239–242 °C (disint.)	PF. *2923*	100 g	25,25	21,45	20,20	18,95
	4,4'-Diamino-[1,1']-binaphthyl see Naphthidine						
	1,4-Diaminobutane see Tetramethylenediamine						
63358	**DL-2,4-Diaminobutyryl dihydrochloride** PROSYNTH® *DL-2-4-Diaminobutyryle dichlorhydrate / DL-2,4-Diaminobutirilo diclorhidrato* $NH_2CH_2CH_2CH(NH_2)COOH \cdot 2HCl$ $C_4H_{12}Cl_2N_2O_2$ $M = 191{,}06$ g/mol assay (ex N) ..... 99% melting range ..... 197–199 °C (disint.)	FL. *2923*	1 g	32,25	27,40	25,80	24,20

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	1,2-Diaminocyclohexanetetraacetic acid see IDRANAL® IV						
64477	**4,4'-Diaminodicyclohexylmethane** PROSYNTH® *Diamino-4-4'-dicyclohexylméthane / 4,4'-Diaminodiciclohexilmetano* $CH_2(C_6H_{10}NH_2)_2$ $C_{13}H_{26}N_2$ $M = 210{,}36$ g/mol assay (GC) ..... 98% melting range ..... 35 – 37 °C	WG. *2922*	250 g	31,75	27,—	25,40	23,8
	4,4'-Diamino-3,3'-dimethyldiphenyl see o-Tolidine						
64478	**4,4'-Diaminodiphenylammonium sulphate dihydrate** PROSYNTH® *Diamino-4-4'-diphénylammonium sulfate dihydrate / 4,4'-Diaminodifenilamonio sulfato dihidrato* $(NH_2C_6H_4)_2NH \cdot H_2SO_4 \cdot 2H_2O$ $C_{12}H_{15}N_3O_4S \cdot 2H_2O$ $M = 333{,}36$ g/mol assay (ex N) 98%	WG. *2922*	100 g	26,25	22,30	21,—	19,7
63992	**4,4'-Diaminodiphenyl disulphide** PROSYNTH® *Diamino-4-'4-diphényle disulfure / 4,4'-Diaminodifenilo disulfuro* $C_{12}H_{12}N_2S_2$ $M = 248{,}37$ g/mol assay (ex N) ..... 95% melting range ..... 74 – 76 °C	WG. *2931*	5 g	56,—	47,60	44,80	42,—
63993	**4,4'-Diaminodiphenyl ether** PROSYNTH® *Ether 4-4'-diaminodiphénylique / Eter 4,4'-diaminodifenílico* $O(C_6H_4NH_2)_2$ $C_{12}H_{12}N_2O$ $M = 200{,}24$ g/mol assay ..... 98% melting range ..... 188 – 191 °C	WG. *2923*	100 g	35,50	30,20	28,40	26,6
62436 A 6.1/21G C 6.1 2811 2	**4,4'-Diaminodiphenylmethane** PROSYNTH® *4-4'-Diaminodiphénylméthane / 4,4'-Diaminodifenilmetano* $(NH_2C_6H_4)_2CH_2$ $C_{13}H_{14}N_2$ $M = 198{,}27$ g/mol assay (GC) ..... 98% melting range ..... 88 – 91 °C R: 20/21/22 disposal: 19	WG. *2922*	1 kg	43,75	37,20	35,—	33,7
62437	**4,4'-Diaminodiphenylsulphone** PROSYNTH® *4-4'-Diaminodiphénylsulfone / 4,4'-Diaminodifenilsulfona* $(NH_2C_6H_4)_2SO_2$ $C_{12}H_{12}N_2O_2S$ $M = 248{,}30$ g/mol assay ..... 99% melting range ..... 176 – 178 °C	PF. *2931*	250 g	35,—	29,75	28,—	26,25
63359 A 8/35 C 8 1760 2	**3,3'-Diaminodipropylamine** PROSYNTH® *3-3'-Diaminodipropylamine / 3,3'-Diaminodipropilamina* $(NH_2CH_2CH_2CH_2)_2NH$ $C_6H_{17}N_3$ $M = 131{,}22$ g/mol **1 L ≈ 0,93 kg** assay (GC) ..... 95% boiling range (at 27 mbar) ..... 127 – 130 °C	FL. *2922*	50 ml	24,75	21,05	19,80	18,55
	1,12-Diaminododecane see Dodecamethylenediamine						
64508	**3,6-Diaminodurene** PROSYNTH® *3-6-Diaminodurène / 3,6-Diaminodureno* $(NH_2)_2C_6(CH_3)_4$ $C_{10}H_{16}N_2$ $M = 164{,}25$ g/mol assay ..... 99% melting range ..... 152 – 154 °C	WG. *2922*	10 g	18,75	15,95	15,—	14,05

le-Number ID/ADR GVE/GGVS MDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
070 /35 1604 2 4°C	**1,2-Diaminoethane** abt. 98% technical *1-2-Diaminoéthane / 1,2-Diaminoetano* $H_2NCH_2CH_2NH_2$ $C_2H_8N_2$ $M = 60{,}10$ g/mol **1 L ≈ 0,90 kg** R: 10-20/21/22 S: 26 disposal: 19	FL. FL. STP. *2922*	**1 L** **2,5 L** **50 kg**	20,75 44,25 price on request	17,65 36,75	16,60 34,50	16,— 33,20
068 3/35 3 1604 2 34°C	**1,2-Diaminoethane solution** 75—80% technical *1-2-Diaminoéthane en solution / 1,2-Diaminoetano en solución* $H_2NCH_2CH_2NH_2$ $C_2H_8N_2$ $M = 60{,}10$ g/mol **1 L ≈ 0,97 kg** R: 10-20/21/22 S: 26 disposal: 19	FL. STP. *2922*	**1 L** **50 kg**	20,25 price on request	17,20	16,20	15,60
3360 6.1/21G 6.1 2811 2	**2,7-Diaminofluorene** PROSYNTH® *2-7-Diaminofluorène / 2,7-Diaminofluoreno* $NH_2\underline{C_6H_3C_6H_3(NH_2)}CH_2$ $C_{13}H_{12}N_2$ $M = 196{,}25$ g/mol assay (ex N) ..... 97% melting range ..... 163—165 °C	FL. *2922*	**1 g**	40,75	34,65	32,60	30,55
1299	**1,2-Diamino-4-fluorobenzene** PROSYNTH® *1-2-Diamino-4-fluorobenzène / 1,2-Diamino-4-fluorobenceno* $(NH_2)_2C_6H_3F$ $C_6H_7FN_2$ $M = 126{,}13$ g/mol assay (GC) 99%	WG. *2922*	**5 g**	207,—	175,95	165,60	155,25
	Diaminohexane see Hexamethylenediamine						
4507	**1,6-Diaminohexane-N,N,N′,N′-tetraacetic acid** PROSYNTH® *Acide 1-6-diaminohexane-N-N-N′-N′-tétraacétique / Acido 1,6-diaminohexano-N,N,N′,N′-tetraacético* $(HOOCCH_2)_2N(CH_2)_6N(CH_2COOH)_2$ $C_{14}H_{24}N_2O_8$ $M = 348{,}35$ g/mol assay ..... 97% melting range ..... 232—236 °C (disint.)	WG. *2923*	**10 g**	39,25	33,35	31,40	29,45
	2,6-Diaminohexanoic acid see 2,6-Diaminopimelic acid						
63994	**4,5-Diamino-6-hydroxy-2-mercaptopyrimidine** PROSYNTH® *4-5-Diamino-6-hydroxy-2-mercaptopyrimidine / 4,5-Diamino-6-hidroxi-2-mercaptopirimidina* $\underline{N=C(SH)N=C(NH_2)C(NH_2)=C}OH$ $C_4H_6N_4OS$ $M = 158{,}18$ g/mol	WG. *2935*	**25 g**	25,25	21,45	20,20	18,95
63995	**2,4-Diamino-6-hydroxy-5-nitrosopyrimidine** PROSYNTH® *2-4-Diamino-6-hydroxy-5-nitrosopyrimidine / 2,4-Diamino-6-hidroxi-5-nitrosopirimidina* $\underline{N=C(NH_2)N=C(NH_2)C(NO)=C}OH$ $C_4H_5N_5O_2$ $M = 155{,}12$ g/mol	WG. *2935*	**10 g**	25,75	21,90	20,60	19,30
63996	**3,4-Diamino-5-hydroxypyrazole sulphate** PROSYNTH® *3-4-Diamino-5-hydroxypyrazole sulfate / 3,4-Diamino-5-hidroxipirazolo sulfato* $C_8H_{14}N_8O_6S$ $M = 326{,}29$ g/mol	FL. *2935*	**1 g**	23,—	19,55	18,40	17,25
63997	**2,4-Diamino-6-hydroxypyrimidine monohydrate** PROSYNTH® *2-4-Diamino-6-hydroxypyrimidine monohydrate / 2,4-Diamino-6-hidroxipirimidina monohidrato* $\underline{N=C(NH_2)N=C(NH_2)CH=C}OH \cdot H_2O$ $C_4H_6N_4O \cdot H_2O$ $M = 144{,}13$ g/mol assay (ex N) ..... 98% melting range ..... 285—287 °C (disint.)	WG. *2935*	**50 g**	28,50	24,25	22,80	21,40

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	9 (18 B
64765	**4,5-Diamino-6-hydroxypyrimidine sulphate** PROSYNTH® *4-5-Diamino-6-hydroxypyrimidinesulfate / 4,5-Diamino-6-hidroxipirimidinsulfato* $N=CHN=C(NH_2)C(NH_2)=COH \cdot H_2SO_4$ $C_4H_8N_4O_5S$ *M* = 224,20 g/mol assay (UV) ..... 97 %	WG. *2935*	5 g	27,25	23,15	21,80	20
63998	**4,6-Diamino-2-mercaptopyrimidine** PROSYNTH® *4-6-Diamino-2-mercaptopyrimidine / 4,6-Diamino-2-mercaptopirimidina* $N=C(SH)N=C(NH_2)CH=CNH_2$ $C_4H_6N_4S$ *M* = 142,18 g/mol assay (ex N) ..... 98 %	WG. *2935*	25 g	20,25	17,20	16,20	15
	Diaminomethane dihydrochloride see Methylenediamine dihydrochloride						
	Diaminonaphthalene see Naphthalenediamine						
64743	**2,5-Diaminonitrobenzene** PROSYNTH® *2-5-Diaminonitrobenzène / 2,5-Diaminonitrobenceno* $NO_2C_6H_3(NH_2)_2$ $C_6H_7N_3O_2$ *M* = 153,14 g/mol assay (HPLC) ..... 96 % melting range ..... 135 – 138 °C R: 20/21/22 S: 28 disposal: 11	WG. *2922*	100 g	36,25	30,80	29,–	27
63361	**3,4-Diaminonitrobenzene** PROSYNTH® *3-4-Diaminonitrobenzène / 3,4-Diaminonitrobenceno* $NO_2C_6H_3(NH_2)_2$ $C_6H_7N_3O_2$ *M* = 153,14 g/mol assay (HPLC) ..... 97 % melting range ..... 201 – 203 °C R: 20/21/22 S: 28 disposal: 11	WG. *2922*	100 g	23,–	19,55	18,40	17
	1,5-Diaminopentane see Pentamethylenediamine						
	2,7-Diaminophenazathionium chloride see Thionine						
63362 A 6.1/210 C 6.1 2811 2	**2,4-Diaminophenol dihydrochloride** PROSYNTH® *2-4-Diaminophénol dichlorhydrate / 2,4-Diaminofenol diclorhidrato* $HOC_6H_3(NH_2)_2 \cdot 2HCl$ $C_6H_{10}Cl_2N_2O$ *M* = 197,06 g/mol assay (ex Cl) ..... 98 %	WG. *2923*	100 g	20,75	17,65	16,60	15,
63251	**2,4-Diamino-6-phenyl-1,3,5-triazine** PROSYNTH® *2-4-Diamino-6-phényl-1-3-5-triazine / 2,4-Diamino-6-fenil-1,3,5-triacina* $C_6H_5C=NC(NH_2)=NC(NH_2)=N$ $C_9H_9N_5$ *M* = 187,21 g/mol melting range ..... 219 – 221 °C	PF. *2935*	1 kg	49,50	42,10	39,60	38,
63999	**2,6-Diaminopimelic acid** PROSYNTH® *Acide 2-6-diaminopimélique / Acido 2,6-diaminopimélico* $HOOCCH(NH_2)(CH_2)_3CH(NH_2)COOH$ $C_7H_{14}N_2O_4$ *M* = 190,20 g/mol assay (ex N) ..... 96 %	FL. *2923*	1 g	47,50	40,40	38,–	35,6
	Diaminopropanes see Propanediamines						
62438 A 6.1/21H C 6.1 2811 2	**2,3-Diaminopyridine** PROSYNTH® *2-3-Diaminopyridine / 2,3-Diaminopiridina* $N=C(NH_2)C(NH_2)=CHCH=CH$ $C_5H_7N_3$ *M* = 109,13 g/mol assay (GC) ..... 98 % melting range ..... 112 – 115 °C	WG. *2935*	5 g	66,–	56,10	52,80	49,5

refer explanations

Code-Number) RID/ADR) GGVE/GGVS) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
62439 A 6.1/21H C 6.1 2811 2	**2,6-Diaminopyridine** PROSYNTH® *2-6-Diaminopyridine / 2,6-Diaminopiridina* $N=C(NH_2)CH=CHCH=CNH_2$ $C_5H_7N_3$ $M=109{,}13$ g/mol assay (GC) ..... 98% melting range ..... 118–121 °C	WG. *2935*	100 g	34,50	29,35	27,60	25,90
63329 A 6.1/21H C 6.1 2811 2	**3,4-Diaminopyridine** PROSYNTH® *3-4-Diaminopyridine / 3,4-Diaminopiridina* $N=CHC(NH_2)=C(NH_2)CH=CH$ $C_5H_7N_3$ $M=109{,}13$ g/mol assay ..... 98% melting range ..... 212–216 °C	FL. *2935*	1 g	25,25	21,45	20,20	18,95
62440	**4,4'-Diamino-2,2'-stilbenedisulphonic acid** PROSYNTH® *Acide 4-4'-diamino-2-2'-stilbènedisulfonique / Acido 4,4'-diamino-2,2'-estilbenodisulfónico* $NH_2C_6H_3(SO_3H)CH=CHC_6H_3(SO_3H)NH_2$ $C_{14}H_{14}N_2O_6S_2$ $M=370{,}41$ g/mol assay (alkalimetric) 96%	PF. *2922*	250 g	43,25	36,75	34,60	32,45
	2,6-Diaminotoluene see 2-Methyl-1,3-phenylenediamine						
	3,4-Diaminotoluene see 4-Methyl-1,2-phenylenediamine						
	1,11-Diamino-3,6,9-triazaundecane see Tetraethylenepentamine						
64740	**3,5-Diamino-1,2,4-triazole** PROSYNTH® *3-5-Diamino-1-2-4-triazole / 3,5-Diamino-1,2,4-triazolo* $NHN=C(NH_2)N=CNH_2$ $C_2H_5N_5$ $M=99{,}10$ g/mol assay ..... 98% melting range ..... 202–205 °C	WG. *2935*	10 g	34,—	28,90	27,20	25,50
39410	**4,5-Diaminouracil sulphate-(5,6)** BIOSYNTH® *4-4-Diaminouracile sulfate-(5-6) / 4,5-Diaminouracilo sulfato-(5,6)* $[N=C(OH)N=C(OH)C(NH_2)=CNH_2]_2 \cdot H_2SO_4$ $C_8H_{14}N_8O_8S$ $M=382{,}31$ g/mol	WG. *2935*	5 g	22,25	18,90	17,80	16,70
	4,5-Diamino-o-xylene see 4,5-Dimethyl-o-phenylenediamine						
	Diammonium hydrogen citrate see *di*-Ammonium hydrogen citrate						
	Diammonium hydrogen phosphate see *di*-Ammonium hydrogen phosphate						
32647	**Diamond fuchsin** for microscopy (C. I. No. 42510, S. No. 780) *Fuchsine diamant / Fucsina diamante*	WG. WG. WG. *3205*	25 g 100 g 500 g	17,75 56,— 240,—	15,10 47,60 204,—	14,20 44,80 192,—	13,30 42,— 184,80
	Diamond green B see Malachite green						
	Diamond green G see Brilliant green						
	Diamond ink see Ink for glas etching						
	Diamylamine see Dipentylamine						
62441 A 3/4 C 3.3 1993 2 +57 °C	**Di-*iso*-amyl ether** PROSYNTH® *Ether di-iso-amylique / Eter di-iso-amílico* $(CH_3)_2CHCH_2CH_2OCH_2CH_2CH(CH_3)_2$ $C_{10}H_{22}O$ $M=158{,}28$ g/mol 1 L ≈ 0,78 kg assay (GC) ..... 97% boiling range ..... 170–172 °C refractive index (n_D^{20}) ..... 1,409 R: 10 disposal: 6	FL. *2908*	250 ml	18,—	15,30	14,40	13,50

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33193 A 6.1/210 C 6.1 2811 2	**o-Dianisidine** R. G., containing 30—40% water for safety reasons *o-Dianisidine / o-Dianisidina* $CH_3O(NH_2)C_6H_3C_6H_3(NH_2)OCH_3$ $C_{14}H_{16}N_2O_2$ *M* = 244,29 g/mol R: 26/27/28-33 S: 28-36/37-45 disposal: 19	WG. *2923*	50 g	30,—	25,50	24,—	22,5
33194	**1,1'-Dianthrimide** R. G. [Di-(1,1'-anthraquinonyl)-amine] *1-1'-Dianthrimide / 1,1'-Diantrimida* $(\underline{COC_6H_4CO}C_6H_3)_2NH$ $C_{28}H_{15}NO_4$ *M* = 429,43 g/mol	WG. *2923*	10 g	24,—	20,40	19,20	18,
	Diantimony trisulphide see Antimony(III) sulphide						
15416	**Diastase** (Maltin) *Diastase / Diastasa*	PF. PF. *3507*	100 g 1 kg	10,— 72,50	8,50 61,65	8,— 58,—	7,5 55,8
64481	**1,5-Diazabicyclo[4.3.0]non-5-ene** PROSYNTH® *Diaza-1-5-bicyclo[4-3-0]nonène-5 / 1,5-Diazabiciclo[4.3.0]non-5-eno* $C_7H_{12}N_2$ *M* = 124,19 g/mol 1 L ≈ 1,04 kg	FL. *2935*	25 ml	54,—	45,90	43,20	40,5
63786	**1,4-Diazabicyclo[2.2.2]octane** PROSYNTH® *1-4-Diazabicyclo[2-2-2]octane / 1,4-Diazabiciclo[2,2,2]octano* $C_6H_{12}N_2$ *M* = 112,17 g/mol assay (ex N) ..... 98% melting range ..... 157—160 °C	WG. *2935*	50 g	24,75	21,05	19,80	18,5
64687	**1,5-Diazabicyclo[5.4.0]undec-5-ene** PROSYNTH® *Diaza-1-5-bicyclo[5.4.0]undécène-5 / 1,5-Diazabiciclo[5,4,0]undec-5-eno* $C_9H_{16}N_2$ *M* = 152,24 g/mol 1 L ≈ 1,02 kg assay (GC) ..... 97% boiling range (at 0,8 mbar) ..... 80—83 °C refractive index (n_D^{20}) 1,518	FL. *2928*	25 ml	44,25	37,60	35,40	33,2
	1,4-Diazine see Pyrazine						
32778	**Diazine green** (C. I. No. 11050, S. No. 282) *Vert diazine / Verde de diazina* $C_{30}H_{31}ClN_6$ *M* = 511,07 g/mol	WG. *3205*	25 g	93,—	79,05	74,40	69,7
35851 A 6.1/83A1 C 6.1 1615 3	**Diazinon** min. 99% PESTANAL® (O,O-Diethyl-O-[2-isopropyl-6-methyl-pyrimidinyl-(4)]- phosphoromonothioate) $(CH_3CH_2O)_2P(S)O\underline{C=CHC(CH_3)=NC[CH(CH_3)_2]=N}$ $C_{12}H_{21}N_2O_3PS$ *M* = 304,35 g/mol keep in refrigerator à stocker dans le frigidaire almacenje en la nevera R: 23/24/25 S: 2-13-44 disposal: 7	FL. *2935*	2 g	56,50	48,05	45,20	42,4
	Diazo see Ehrlich's diazo reatgent						
64713	**Dibenzenesulphimide** PROSYNTH® *Dibenzènesulfimide / Dibencenosulfimida* $(C_6H_5SO_2)_2NH$ $C_{12}H_{11}NO_4S_2$ *M* = 297,35 g/mol assay ..... 98% melting range ..... 154—157 °C	WG. *2926*	5 g	30,—	25,50	24,—	22,5
64820 A 6.1/22 C 6.1 2811 2	**Dibenzo-18-crown-6** PROSYNTH® *Dibenzo-18-couronne-6 / Dibenzo-18-corona-6* $C_{20}H_{24}O_6$ *M* = 360,41 g/mol assay (UV) ..... 98% melting range ..... 161—163 °C	FL. *2908*	1 g	13,75	11,70	11,—	10,3

de-Number ID/ADR GVE/GGVS MDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
442	**Dibenzofuran** PROSYNTH® *Dibenzofuranne / Dibenzofurano* $C_6H_4C_6H_4O$ $C_{12}H_8O$ $M = 168{,}19$ g/mol assay (GC) ..... 97 % melting range ..... 81 – 83 °C	WG. *2935*	1 kg	58,50	49,75	46,80	45,05
	Dibenzopyrazine see Phenazine						
	2,3,5,6-Dibenzopyridine see Acridine						
	Dibenzopyrrole see Carbazole						
2443	**Dibenzosuberone** PROSYNTH® *Dibenzosubérone / Dibenzosuberona* $C_6H_4CH_2CH_2C_6H_4CO$ $C_{15}H_{12}O$ $M = 208{,}26$ g/mol **1 L ≈ 1,18 kg** assay (GC) ..... 99 % boiling range (at 0,4 mbar) ..... 148 – 150 °C refractive index (n_D^{20}) 1,635	FL. *2913*	25 ml	14,75	12,55	11,80	11,05
2444	**Dibenzothiophene** PROSYNTH® *Dibenzothiophène / Dibenzotiofeno* $C_{12}H_8S$ $M = 184{,}26$ g/mol assay (GC) ..... 97 % melting range ..... 97 – 99 °C	WG. *2935*	10 g	18,50	15,75	14,80	13,90
0124	**Dibenzoylmethane** PROSYNTH® (1,3-diphenyl-1,3-propanedione) *Dibenzoylméthane / Dibenzoilmetano* $(C_6H_5CO)_2CH_2$ $C_{15}H_{12}O_2$ $M = 224{,}26$ g/mol assay (GC) ..... 98 % melting range ..... 75 – 77 °C	WG. *2913*	100 g	95,–	80,75	76,–	71,25
4001	**1,5-Dibenzoylnaphthalene** PROSYNTH® *1-5-Dibenzoylnaphtalène / 1,5-Dibenzoilnaftaleno* $(C_6H_5CO)_2C_{10}H_6$ $C_{24}H_{16}O_2$ $M = 336{,}39$ g/mol melting range ..... 185 – 187 °C	WG. *2913*	10 g	42,–	35,70	33,60	31,50
3330	**Dibenzoyl-D(+)-tartaric acid monohydrate** PROSYNTH® *Acide dibenzoyl-D(+)-tartrique monohydraté / Acido dibenzoil-D(+)-tartárico monohidrato* $C_6H_5COOCH(COOH)CH(COOH)OCOC_6H_5 \cdot H_2O$ $C_{18}H_{14}O_8 \cdot H_2O$ $M = 376{,}32$ g/mol assay (alkalimetric) ..... 98 % melting range ..... 90 – 92 °C spec. rotation ($[\alpha]_D^{20}$; c = 10 in C_2H_5OH) ..... +110 ±5°	WG. *2916*	10 g	23,–	19,55	18,40	17,25
62445	**Dibenzoyl-L(–)-tartaric acid monohydrate** PROSYNTH® *Acide dibenzoyl-L(–)-tartrique monohydraté / Acido dibenzoil-L(–)-tartárico monohidrato* $C_6H_5COOCH(COOH)CH(COOH)OCOC_6H_5 \cdot H_2O$ $C_{18}H_{14}O_8 \cdot H_2O$ $M = 376{,}32$ g/mol assay (alkalimetric) ..... 98 % melting range ..... 88 – 91 °C spec. rotation ($[\alpha]_D^{20}$; c = 10 in C_2H_5OH ..... –110° ±5°	PF. *2916*	100 g	40,75	34,65	32,60	30,55
62447 A 6.1/21 G C 6.1 2810 2	**Dibenzylamine** PROSYNTH® *Dibenzylamine / Dibencilamina* $(C_6H_5CH_2)_2NH$ $C_{14}H_{15}N$ $M = 197{,}28$ g/mol **1 L ≈ 1,03 kg** assay (GC) ..... 98 % boiling range (at 52 mbar) ..... 213 – 215 °C refractive index (n_D^{20}) 1,573	FL. *2922*	250 ml	38,75	32,95	31,–	29,05

FIXANAL® preparations for standard solutions

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	9 (16 B
64002	**N,N-Dibenzyl-2-chloroethylamine hydrochloride** PROSYNTH® *N-N-Dibenzyle-2-chloroéthylamine chlorhydrate / N,N-Dibencil-2-cloroetilamina clorhidrato* $(C_6H_5CH_2)_2NCH_2CH_2Cl \cdot HCl$ $C_{16}H_{19}Cl_2N$ $M = 296{,}24$ g/mol assay (ex N) ..... 95% melting range ..... 179–182 °C	WG. *2922*	10 g	49,50	42,10	39,60	3
15905 A 6.1/81G C 6.1 2588 2	**Dibenzyl disulphide** *Dibenzyle disulfure / Dibencilo disulfuro* $(C_6H_5CH_2S)_2$ $C_{14}H_{14}S_2$ $M = 246{,}40$ g/mol assay of sulphur ..... 25,5% melting point ..... 70 °C copper strips test ..... passes test	WG. FTP. *2931*	1 kg 50 kg	34,50 price on request	29,35	27,60	2
62446	**Dibenzyl ether** PROSYNTH® *Ether dibenzylique / Eter dibencílico* $(C_6H_5CH_2)_2O$ $C_{14}H_{14}O$ $M = 198{,}26$ g/mol 1 L ≈ 1,04 kg assay (GC) ..... 98% boiling range (at 13 mbar) ..... 158–160 °C refractive index (n_D^{20}) 1,562	FL. *2908*	1 L	30,–	25,50	24,–	2
	Dibenzylidenehydrazine see Benzalazine						
	Dibenzyl ketone see Benzophenone						
64003 A 6.1/21 C 6.1 2811 2	**2,4-Dibenzylpyridine** PROSYNTH® *2-4-Dibenzylpyridine / 2,4-Dibencilpiridina* $N=C(CH_2C_6H_5)CH=C(CH_2C_6H_5)CH=CH$ $C_{19}H_{17}N$ $M = 259{,}35$ g/mol assay (ex N) 98%	FL. *2935*	25 g	25,25	21,45	20,20	1
64004	**Dibenzyl succinate** PROSYNTH® *Dibenzyle succinate / Dibencilo succinato* $C_6H_5CH_2OCOCH_2CH_2COOCH_2C_6H_5$ $C_{18}H_{18}O_4$ $M = 298{,}34$ g/mol assay (HPLC) ..... 99% melting range ..... 44–46 °C	WG. *2915*	250 g	30,–	25,50	24,–	2
64651	**Dibenzyl sulphide** PROSYNTH® *Dibenzyle sulfure / Dibencilo sulfuro* $(C_6H_5CH_2)_2S$ $C_{14}H_{14}S$ $M = 214{,}33$ g/mol assay (ex S) ..... 97% melting range ..... 45–48 °C	WG. *2931*	100 g	26,–	22,10	20,80	1
64484	**Dibenzyl sulphoxide** PROSYNTH® *Dibenzyle sulfoxyde / Dibencilo sulfóxido* $(C_6H_5CH_2)_2SO$ $C_{14}H_{14}OS$ $M = 230{,}33$ g/mol assay (ex S) ..... 95% melting range ..... 130–132 °C	WG. *2931*	100 g	16,25	13,80	13,–	1
	N,N'-Dibenzylthiourea see 1,3-Dibenzylthiourea						
62448	**1,3-Dibenzylthiourea** PROSYNTH® *1-3-Dibenzylthiourée / 1,3-Dibenciltiourea* $C_6H_5CH_2NHCSNHCH_2C_6H_5$ $C_{15}H_{16}N_2S$ $M = 256{,}37$ g/mol assay (ex N) ..... 99% melting range ..... 145–147 °C	PF. *2931*	250 g	47,50	40,40	38,–	3

de-Number RID/ADR GGVE/GGVS MDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
5877 6.1/83A1 9 1615 3	**Dibrom** min. 99% PESTANAL® (O,O-Dimethyl-O-(1,2-Dibromo-2,2-dichloroethyl]-phosphoric acid ester) $(CH_3O)_2P(O)OCHBrCBrCl_2$ $C_4H_7Br_2Cl_2O_4P$ $M = 380{,}78$ g/mol keep in refrigerator à stocker dans le frigidaire almacenje en la nevera	FL. *2919*	2 g	56,50	48,05	45,20	42,40
4379 8/21A1 8 1759 2	**Dibromoacetic acid** PROSYNTH® *Acide dibromoacétique / Acido dibromoacético* $Br_2CHCOOH$ $C_2H_2Br_2O_2$ $M = 217{,}84$ g/mol assay (ex Br) ..... 90% melting range ..... 33–36 °C R: 35 S: 26 disposal: 21	FL. *2914*	5 g	28,75	24,45	23,–	21,55
62449 6.1/23C 6.1 2811 2	**ω,4-Dibromoacetophenone** PROSYNTH® *ω,4-Dibromoacétophénone / ω,4-Dibromoacetofenona* $BrC_6H_4COCH_2Br$ $C_8H_6Br_2O$ $M = 277{,}94$ g/mol assay (ex Br) ..... 98% melting range ..... 108–111 °C	WG. *2913*	50 g	60,–	51,–	48,–	45,–
63369 6.1/21E 6.1 2811 2	**2,4-Dibromoaniline** PROSYNTH® *2-4-Dibromoaniline / 2,4-Dibromoanilina* $Br_2C_6H_3NH_2$ $C_6H_5Br_2N$ $M = 250{,}92$ g/mol assay (GC) ..... 98% melting range ..... 79–81 °C R: 23/24/25-33 S: 28-36/37-44 disposal: 7	WG. WG. *2922*	† 10 g 50 g	29,– 115,–	24,65 97,75	 92,–	 86,25
63370 6.1/21E 6.1 2811 2	**2,5-Dibromoaniline** PROSYNTH® *2-5-Dibromoaniline / 2,5-Dibromoanilina* $Br_2C_6H_3NH_2$ $C_6H_5Br_2N$ $M = 250{,}92$ g/mol assay (GC) ..... 95% melting range ..... 49–52 °C R: 23/24/25-33 S: 28-36/37-44 disposal: 7	WG. *2922*	10 g	34,–	28,90	27,20	25,50
63405 6.1/21E 6.1 2811 2	**2,6-Dibromoaniline** PROSYNTH® *2-6-Dibromoaniline / 2,6-Dibromoanilina* $Br_2C_6H_3NH_2$ $C_6H_5Br_2N$ $M = 250{,}92$ g/mol assay (GC) ..... 99% melting range ..... 81–83 °C R: 23/24/25-33 S: 28-36/37-44 disposal: 7	WG. *2922*	25 g	120,–	102,–	96,–	90,–
62451 6.1/61 6.1 1610 3	**1,2-Dibromobenzene** PROSYNTH® *1-2-Dibromobenzène / 1,2-Dibromobenceno* $C_6H_4Br_2$ $M = 235{,}91$ g/mol 1 L ≈ 1,98 kg assay (GC) ..... 98% boiling range (at 13 mbar) ..... 90–92 °C refractive index (n_D^{20}) 1,610	FL. *2902*	5 ml	45,25	38,45	36,20	33,95
63463 6.1/61 3.3 2711 3 +47 °C	**1,3-Dibromobenzene** PROSYNTH® *1-3-Dibromobenzène / 1,3-Dibromobenceno* $C_6H_4Br_2$ $M = 235{,}91$ g/mol 1 L ≈ 1,95 kg assay (GC) ..... 97% boiling range ..... 216–218 °C refractive index (n_D^{20}) 1,608	FL. *2902*	5 ml	26,75	22,75	21,40	20,05

HYDRANAL® a new Karl Fischer reagent

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	(16
60127 A 6.1/61 C 9 *1592 3	**1,4-Dibromobenzene** PROSYNTH® *1-4-Dibromobenzène / 1,4-Dibromobenceno* $C_6H_4Br_2$ $M = 235,91$ g/mol assay (GC) ..... 98% melting range ..... 86–88 °C	WG. *2902*	250 g	28,–	23,80	22,40	2
63371	**2,5-Dibromobenzoic acid** PROSYNTH® *Acide 2-5-dibromobenzoïque / Acido 2,5-dibromobenzóico* $Br_2C_6H_3COOH$ $C_7H_4Br_2O_2$ $M = 279,92$ g/mol assay (alkalimetric) 98%	WG. *2914*	10 g	90,50	76,95	72,40	6
64006	**4,4'-Dibromobiphenyl** PROSYNTH® *4-4'-Dibromobiphényle / 4,4'-Dibromobifenilo* $BrC_6H_4C_6H_4Br$ $C_{12}H_8Br_2$ $M = 312,00$ g/mol	WG. *2902*	25 g	26,75	22,75	21,40	2
60128 A 6.1/61A C 6.1 2810 3	**1,4-Dibromobutane** PROSYNTH® (tetramethylene bromide) *1-4-Dibromobutane / 1,4-Dibromobutano* $Br(CH_2)_4Br$ $C_4H_8Br_2$ $M = 215,92$ g/mol **1 L ≈ 1,83 kg** assay (GC) ..... 99% boiling range (at 13 mbar) ..... 76–78 °C refractive index (n_D^{20}) 1,519	FL. BA. *2902*	500 ml 45 kg	69,– price on request	58,65	55,20	5
62454 A 6.1/61 C 6.1 1610 3	**1,4-Dibromobutene-(2)** PROSYNTH® mixture of *cis*- and *trans*-isomers *1-4-Dibromobutène-(2) / 1,4-Dibromobuteno-(2)* $BrCH_2CH=CHCH_2Br$ $C_4H_6Br_2$ $M = 213,90$ g/mol assay (GC) ..... 98% melting range ..... 46–50 °C assay (GC) ..... 98% melting range ..... 46–50 °C	WG. *2902*	100 g	60,–	51,–	48,–	4
65145 A 6.1/23 C 6.1 1602 3	**2,3-Dibromobutene-(2)-diol-(1,4)** PROSYNTH® *2-3-Dibromobutène-(2)-diol-(1-4) / 2,3-Dibromobuteno-(2)-diol-(1,4)* $CH_2OHCBr=CBrCH_2OH$ $C_4H_6Br_2O_2$ $M = 245,90$ g/mol assay (GC) ..... 98% melting range ..... 112–114 °C R: 20/21/22 S: 28 disposal: 7	PF. *2904*	500 g	97,50	82,90	78,–	7
64005 C 8 1759 2	**2,3-Dibromobutyric acid** PROSYNTH® *Acide 2-3-dibromobutyrique / Acido 2,3-dibromobutírico* $CH_3CHBrCHBrCOOH$ $C_4H_6Br_2O_2$ $M = 245,90$ g/mol assay (alkalimetric) ..... 98% melting range ..... 85–87 °C	WG. *2914*	25 g	43,25	36,75	34,60	3
	Dibromo-o-cresolsulphonphthalein see Bromocresol purple						
64677	**(±)-*trans*-1,2-Dibromocyclohexane** PROSYNTH® *(±)-trans-1-2-Dibromocyclohexane / (±)-trans-1,2-Dibromociclohexano* $BrCH(CH_2)_4CHBr$ $C_6H_{10}Br_2$ $M = 241,95$ g/mol **1 L ≈ 1,78 kg** assay (GC) ..... 98% boiling range (at 33 mbar) ..... 109–112 °C refractive index (n_D^{20}) 1,552	FL. *2902*	100 ml	57,50	48,90	46,–	4
62455	**1,10-Dibromodecane** PROSYNTH® *1-10-Dibromodécane / 1,10-Dibromodecano* $Br(CH_2)_{10}Br$ $C_{10}H_{20}Br_2$ $M = 300,08$ g/mol **1 L ≈ 1,34 kg** assay (GC) ..... 96% melting range ..... 25–27 °C	FL. *2902*	100 ml	31,50	26,80	25,20	2

refer explanations

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65146 A 6.1/23 C 6.1 1602 3	**2,3-Dibromo-1,4-dichlorobutene-(2)** PROSYNTH® *2-3-Dibromo-1-4-dichlorobutène-(2) / 2,3-Dibromo-1,4-diclorobutene-(2)* $CH_2ClCBr=CBrCH_2Cl$ $C_4H_4Br_2Cl_2$ $M=282{,}79$ g/mol assay (GC) ..... 97% melting range ..... 56—58 °C R: 36/37/38 S: 26 disposal: 7	WG. *2902*	250 g	56,50	48,05	45,20	42,40
64601 A 6.1/12C C 6.1 • 1702 2	**1,2-Dibromo-1,1-dichloroethane** PROSYNTH® *1-2-Dibromo-1-1-dichloroéthane / 1,2-Dibromo-1,1-dicloroetano* $BrCCl_2CH_2Br$ $C_2H_2Br_2Cl_2$ $M=256{,}71$ g/mol **1 L ≈ 2,26 kg** type analyse assay (GC) ..... 97% boiling range (at 16 mbar) ..... 62—65 °C refractive index (n_D^{20}) ..... 1,557 R: 26-36 S: 1-24-27-45 disposal: 13	FL. *2902*	100 ml	24,—	20,40	19,20	18,—
	Dibromodichlorophenolsulphonphthalein see Bromochlorophenol blue						
61138 A 6.1/12 C 6.1 2810 2	**1,2-Dibromo-1,1-difluoroethane** PROSYNTH® *1-2-Dibromo-1-1-difluoroéthane / 1,2-Dibromo-1,1-difluoroetano* $BrCF_2CH_2Br$ $C_2H_2Br_2F_2$ $M=223{,}84$ g/mol **1 L ≈ 2,22 kg** assay (GC) ..... 95% boiling range ..... 92—94 °C R: 26-36 S: 1-24-27-45 disposal: 13	FL. *2902*	25 ml	17,—	14,45	13,60	12,75
63372 C 5.1 1479 2	**1,3-Dibromo-5,5-dimethylhydantoine** PROSYNTH® *1-3-Dibromo-5-5-diméthylhydantoïne / 1,3-Dibromo-5,5-dimetilhidantoína* $BrNCONBrCOC(CH_3)_2$ $C_5H_6Br_2N_2O_2$ $M=285{,}92$ g/mol assay (iodometric) 98%	WG. *2925*	250 g	19,—	16,15	15,20	14,25
	Dibromodinitrofluorescein-sodium see Eosin bluish						
63462	**1,12-Dibromododecane** PROSYNTH® *1-12-Dibromododécane / 1,12-Dibromododecano* $Br(CH_2)_{12}Br$ $C_{12}H_{24}Br_2$ $M=328{,}13$ g/mol assay (GC) ..... 98% melting range ..... 37—40 °C	WG. *2902*	25 g	28,75	24,45	23,—	21,55
60126 A 6.1/61A C 6.1 1605 2	**1,2-Dibromoethane** PROSYNTH® *1-2-Dibromoéthane / 1,2-Dibromoetano* $BrCH_2CH_2Br$ $C_2H_4Br_2$ $M=187{,}86$ g/mol **1 L ≈ 2,17 kg** R: 23/24/25 S: 25-44 disposal: 13	FL. FL. *2902*	† 500 ml 1 L	25,25 26,—	22,45 22,10	21,20 20,80	 20,—
02813 A 6.1/61A C 6.1 1605 2	**1,2-Dibromoethane** *1-2-Dibromoéthane / 1,2-Dibromoetano* $BrCH_2CH_2Br$ $C_2H_4Br_2$ $M=187{,}86$ g/mol **1 L ≈ 2,17 kg** R: 23/24/25 S: 25-44 disposal: 13	F. *2902*	100 kg	price on request			

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62450 A 6.1/61A C 6.1 1610 3	**1,2-Dibromoethylene** mixture of *cis* and *trans* isomers PROSYNTH® *1-2-Dibromoéthylène / 1,2-Dibromoetileno* $BrCH=CHBr$ $C_2H_2Br_2$ M = 185,85 g/mol **1 L ≈ 2,26 kg** assay (GC) ..... 98 % boiling range ..... 107–111 °C refractive index (n_D^{20}) ..... 1,543 R: 23/24/25 S: 25-44 disposal: 13	FL. *2902*	100 ml	230,–	195,50	184,–	172
61203	**Dibromofluorobenzene** PROSYNTH® *Dibromofluorobenzène / Dibromofluorobenceno* $C_6H_3Br_2F$ M = 253,90 g/mol **1 L ≈ 2,05 kg** assay (GC) ..... 99 % 2,4-dibromofluorobenzene (NMR) ..... 70 % 3,4-dibromofluorobenzene (NMR) ..... 30 %	FL. EKL. F. *2902*	50 ml 30 kg 200 kg	60,– price on request price on request	51,–	48,–	45
61490 A 6.1/22 C 6.1 2811 3	**2,6-Dibromo-4-fluorophenol** PROSYNTH® *Dibromo-2-6-fluoro-4-phénol / 2,6-Dibromo-4-fluorofenol* $Br_2FC_6H_2OH$ $C_6H_3Br_2FO$ M = 269,90 g/mol assay (GC) ..... 99 % melting range ..... 54–56 °C	WG. *2907*	100 g	181,–	153,85	144,80	135
61012 A 6.1/23 C 6.1 2810 2	**1,2-Dibromohexafluoropropane** PROSYNTH® *1-2-Dibromohexafluoropropane / 1,2-Dibromohexafluoropropano* $CF_3CFBrCF_2Br$ $C_3Br_2F_6$ M = 309,83 g/mol **1 L ≈ 2,16 kg** assay (GC) ..... 95 % boiling range (at 979 mbar) ..... 69–71 °C refractive index (n_D^{20}) ..... 1,359 R: 23/24/25 S: 44 disposal: 9	FL. *2902*	250 ml	244,–	207,40	195,20	183
62456	**1,6-Dibromohexane** PROSYNTH® *1-6-Dibromohexane / 1,6-Dibromohexano* $Br(CH_2)_6Br$ $C_6H_{12}Br_2$ M = 243,97 g/mol **1 L ≈ 1,60 kg** assay (GC) ..... 98 % boiling range (at 16 mbar) ..... 108–110 °C refractive index (n_D^{20}) 1,507	FL. *2902*	250 ml	39,–	33,15	31,20	29,
64008	**α,β-Dibromohydrocinnamic acid** PROSYNTH® *Acide α-β-dibromohydrocinnamique / Acido α,β-dibromohidrocinámico* $C_6H_5CHBrCHBrCOOH$ $C_9H_8Br_2O_2$ M = 307,97 g/mol assay (alkalimetric) ..... 99 % melting range ..... 201–203 °C	WG. *2914*	50 g	60,–	51,–	48,–	45
65158	**3,5-Dibromo-4-hydroxybenzaldehyde** PROSYNTH® *3-5-Dibromo-4-hydroxybenzaldéhyde / 3,5-Dibromo-4-hidroxibenzaldehido* $Br_2C_6H_2(OH)CHO$ $C_7H_4Br_2O_2$ M = 279,92 g/mol assay (ex Br) ..... 98 %	WG. *2912*	100 g	218,–	185,30	174,40	163,
22055	**5,7-Dibromo-8-hydroxyquinoline** *5-7-Dibromo-8-hydroxyquinoléine / 5,7-Dibromo-8-hidroxiquinolina* $Br_2C_6H(OH)CH=CHCH=N$ $C_9H_5Br_2NO$ M = 302,95 g/mol	WG. FTP. *2935*	500 g 25 kg	58,– price on request	49,30	46,40	44,

Dibromomalealdehydic acid see Mucobromic acid

de-Number RID/ADR GGVE/GGVS IMDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
2457 6.1/61 6.1 2810 3	**Dibromomethane** PROSYNTH® *Dibromométhane / Dibromometano* CH_2Br_2 M = 173,83 g/mol 1 L ≈ 2,50 kg assay (GC) ..... 99% boiling range ..... 96–98 °C refractive index (n_D^{20}) ..... 1,541 R: 20 S: 24 disposal: 13	FL. 2902	1 L	109,–	92,65	87,20	83,95
5209	**1,4-Dibromonaphthalene** PROSYNTH® *Dibromo-1-4-naphtalène / 1,4-Dibromonaftaleno* $C_6H_4Br-CHCH-CBr$ $C_{10}H_6Br_2$ M = 285,97 g/mol melting range ..... 77–79 °C	PF. 2902	100 g	price on request			
4007	**1,6-Dibromo-2-naphthol-3-carboxylic acid** PROSYNTH® *Acide 1-6-dibromonaphtol-2-carboxylique-(3) / Acido 1,6-dibromonaftol-2-carboxílico-(3)* $Br_2C_{10}H_4(OH)COOH$ $C_{11}H_6Br_2O_3$ M = 345,97 g/mol assay (alkalimetric) 98%	WG. 2916	10 g	22,–	18,70	17,60	16,50
5143 6.1/21E 6.1 2811 2	**2,6-Dibromo-4-nitroaniline** PROSYNTH® *2-6-Dibromo-4-nitroaniline / 2,6-Dibromo-4-nitroanilina* $NH_2C_6H_2Br_2NO_2$ $C_6H_4Br_2N_2O_2$ M = 295,92 g/mol melting range ..... 207–209 °C R: 26/27/28-33 S: 28-36/37-45 disposal: 20	PF. 2922	500 g	47,–	39,95	37,60	36,20
63373 6.1/61K 6.1 2811 2	**2,5-Dibromonitrobenzene** PROSYNTH® *2-5-Dibromonitrobenzène / 2,5-Dibromonitrobenceno* $C_6H_3Br_2NO_2$ M = 280,90 g/mol assay (GC) ..... 98% melting range ..... 83–85 °C	PF. 2903	50 g	40,–	34,–	32,–	30,–
	2,6-Dibromo-4-nitro-1-hydroxybenzene see 2,6-Dibromo-4-nitrophenol						
63374 6.1/21K 6.1 2811 3	**2,6-Dibromo-4-nitrophenol** PROSYNTH® *2-6-Dibromo-4-nitrophénol / 2,6-Dibromo-4-nitrofenol* $Br_2C_6H_2(OH)NO_2$ $C_6H_3Br_2NO_3$ M = 296,90 g/mol assay ..... 99% melting range ..... 141–143 °C R: 23/24/25 S: 44 disposal: 20	WG. 2907	100 g	37,75	32,10	30,20	28,30
64487	**1,9-Dibromononane** PROSYNTH® *1-9-Dibromononane / 1,9-Dibromononano* $Br(CH_2)_9Br$ $C_9H_{18}Br_2$ M = 286,05 g/mol 1 L ≈ 1,42 kg assay (GC) ..... 97% boiling range (at 0,3 mbar) ..... 97–99 °C refractive index (n_D^{20}) 1,496	FL. 2902	10 ml	42,75	36,35	34,20	32,05
64488	**1,8-Dibromooctane** PROSYNTH® *1-8-Dibromooctane / 1,8-Dibromooctano* $Br(CH_2)_8Br$ $C_8H_{16}Br_2$ M = 272,02 g/mol 1 L ≈ 1,47 kg assay (GC) ..... 97% boiling range (at 21 mbar) ..... 149–152 °C refractive index (n_D^{20}) 1,498	FL. 2902	25 ml	59,–	50,15	47,20	44,25

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62458	**1,5-Dibromopentane** PROSYNTH® *1-5-Dibromopentane / 1,5-Dibromopentano* $Br(CH_2)_5Br$ $C_5H_{10}Br_2$ *M* = 229,94 g/mol — 1 L ≈ 1,70 kg assay (GC) ..... 95% boiling range (at 13 mbar) ..... 95—98 °C refractive index (n_D^{20}) 1,512	FL. FL. EKL. F. *2902*	† 100 ml 500 ml 30 kg 200 kg	17,— 70,— price on request price on request	14,45 59,50	56,—
64684 A 6.1/13C C 6 1 2811 3	**2,4-Dibromophenol** PROSYNTH® *2-4-Dibromophénol / 2,4-Dibromofenol* $Br_2C_6H_3OH$ $C_6H_4Br_2O$ *M* = 251,92 g/mol R: 20/21/22 S: 2-28 disposal: 7	WG. *2906*	250 g	28,75	24,45	23,—
64683 A 6.1/13C C 6.1 2811 3	**2,6-Dibromophenol** PROSYNTH® *2-6-Dibromophénol / 2,6-Dibromofenol* $Br_2C_6H_3OH$ $C_6H_4Br_2O$ *M* = 251,91 g/mol assay (HPLC) ..... 99% melting range ..... 53—56 °C R: 20/21/22 S: 2-28 disposal: 7	FL. *2906*	1 g	43,75	37,20	35,—
33183	**2,6-Dibromophenolindophenol sodium salt** R.G. *2-6-Dibromophénolindophénol sel sodique / 2,6-Dibromofenolindofenol sal sódica* $O=C_6H_2Br_2=NC_6H_4ONa$ $C_{12}H_6Br_2NNaO_2$ *M* = 378,98 g/mol R: 20/21/22 S: 2-28 disposal: 7	WG. *2935*	10 g	28,50	24,25	22,80
	Dibromophenolsulphonphthalein see Bromophenol red					
62459 A 6.1/12 C 6.1 2810 2	**1,2-Dibromopropane** PROSYNTH® *1-2-Dibromopropane / 1,2-Dibromopropano* $CH_3CHBrCH_2Br$ $C_3H_6Br_2$ *M* = 201,89 g/mol — 1 L ≈ 1,91 kg assay (GC) ..... 97% boiling range ..... 140—142 °C refractive index (n_D^{20}) 1,519	FL. *2902*	100 ml	23,—	19,55	18,40
62460 A 6.1/12 C 6.1 2810 2 +54 °C	**1,3-Dibromopropane** PROSYNTH® *1-3-Dibromopropane / 1,3-Dibromopropano* $Br(CH_2)_3Br$ $C_3H_6Br_2$ *M* = 201,89 g/mol — 1 L ≈ 1,98 kg assay (GC) ..... 97% boiling range ..... 165-167 °C refractive index (n_D^{20}) 1,521	FL. EKL. F. *2902*	500 ml 30 kg 200 kg	110,— price on request price on request	93,50	88,—
62461 A 6.1/62 C 6.1 2810 2	**2,3-Dibromopropanol-(1)** PROSYNTH® $BrCH_2CHBrCH_2OH$ $C_3H_6Br_2O$ *M* = 217,89 g/mol — 1 L ≈ 2,13 kg assay (GC) ..... 98% boiling range (at 13 mbar) ..... 94—97 °C refractive index (n_D^{20}) 1,559	FL. *2904*	100 ml	29,50	25,10	23,60

e-Number D/ADR GVE/GGVS DG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
*30 1/12 1 2810 2	**2,3-Dibromopropene** PROSYNTH® *2-3-Dibromopropène / 2,3-Dibromopropeno* $CH_2=CBrCH_2Br$ $C_3H_4Br_2$ $M = 199,87$ g/mol **1 L ≈ 2,03 kg** assay (GC) ..... 95% boiling range ..... 140–142 °C refractive index (n_D^{20}) ..... 1,541 keep cool à stocker au frais consérvese frio R: 36/37/38 S: 26 disposal: 7	FL. *2902*	100 ml	168,–	142,80	134,40	126,–
*147 1/13A 1 1602 3	**2,3-Dibromopropene-(2)-ol-(1)** PROSYNTH® *2-3-Dibromopropène-(2)-ol-(1) / 2,3-Dibromopropeno-(2)-ol-(1)* $CHBr=CBrCH_2OH$ $C_3H_4Br_2O$ $M = 215,87$ g/mol **1 L ≈ 2,22 kg** assay (GC) ..... 98% boiling range (at 20 mbar) ..... 83–85 °C refractive index (n_D^{20}) ..... 1,580 R: 36/37/38 S: 26 disposal: 7	FL. FL. *2904*	100 ml 1 250 ml	150,– 340,–	127,50 289,–	120,–	112,50
*375 /21A 1 1759 2	**2,3-Dibromopropionic acid** PROSYNTH® *Acide 2-3-dibromopropionique / Acido 2,3-dibromopropiónico* $CH_2BrCHBrCOOH$ $C_3H_4Br_2O_2$ $M = 231,87$ g/mol assay (alkalimetric) ..... 98% melting range ..... 62–65 °C R: 36/37/38 S: 26 disposal: 21	WG. *2914*	100 g	62,50	53,15	50,–	46,90
*3663	**2,3-Dibromopropionyl chloride** PROSYNTH® *2-3-Dibromopropionyle chlorure / 2,3-Dibromopropionilo cloruro* $CH_2BrCHBrCOCl$ $C_3H_3Br_2ClO$ $M = 250,32$ g/mol **1 L ≈ 2,13 kg** assay (GC) ..... 90% refractive index (n_D^{20}) ..... 1,543 R: 34 S: 26 disposal: 21	FL. *2914*	500 ml	52,50	44,65	42,–	40,45
*4764	**2,6-Dibromopyridine** PROSYNTH® *2-6-Dibromopyridine / 2,6-Dibromopiridina* $N=CBrCH=CHCH=CBr$ $C_5H_3Br_2N$ $M = 236,89$ g/mol assay (ex Br) ..... 97% melting range ..... 117–119 °C	WG. *2935*	50 g	65,50	55,70	52,40	49,15
*3180	**2,6-Dibromoquinone-4-chlorimide** R. G. *2-6-Dibromoquinone-4-chlorimide / 2,6-Dibromoquinona-4-clorimida* $OC_6H_2Br_2=NCl$ $C_6H_2Br_2ClNO$ $M = 299,35$ g/mol melting range ..... 82–84 °C sulphated ash ..... max. 0,1% suitability for proof of phenol ..... passes test	WG. *2913*	10 g	35,–	29,75	28,–	26,25
*1628	**3,5-Dibromosalicylic acid** PROSYNTH® *Acide 3-5-dibromosalicylique / Acido 3,5-dibromosalicílico* $Br_2C_6H_2(OH)COOH$ $C_7H_4Br_2O_3$ $M = 295,91$ g/mol assay (alkalimetric) ..... 98% melting range ..... 224–227 °C	WG. *2916*	100 g	43,75	37,20	35,–	32,80

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62452	**2,3-Dibromosuccinic acid** PROSYNTH® *Acide 2-3-dibromosuccinique / Acido 2,3-dibromosuccínico* HOOCCHBrCHBrCOOH $C_4H_4Br_2O_4$ $M = 275{,}88$ g/mol assay (alkalimetric) 99%	PF. PF. PF. *2915*	† 100 g 250 g 1 kg	17,25 39,— 130,—	14,65 33,15 110,50	 31,20 104,—	 2 10
64009	**1,2-Dibromotetrachloroethane** PROSYNTH® *1-2-Dibromotétrachloroéthane / 1,2-Dibromotetracloroetano* $CBrCl_2CBrCl_2$ $C_2Br_2Cl_4$ $M = 325{,}64$ g/mol	WG. *2902*	10 g	22,50	19,15	18,—	1
61013 A 6.1/23 C 6.1 2810 2	**1,4-Dibromo-1,1,2,2-tetrafluorobutane** PROSYNTH® *1-4-Dibromo-1-1-2-2-tétrafluorobutane / 1,4-Dibromo-1,1,2,2-tetrafluorobutano* $BrCF_2CF_2CH_2CH_2Br$ $C_4H_4Br_2F_4$ $M = 287{,}88$ g/mol **1 L ≈ 2,00 kg** assay (GC) ..... 96% boiling range (bei 107 mbar) ..... 70—73 °C refractive index (n_D^{20}) 1,417	FL. *2902*	100 ml	111,50	94,80	89,20	8
61011 A 6.1/62 C 6.1 2810 3	**1,2-Dibromotetrafluoroethane** PROSYNTH® *1-2-Dibromotétrafluoroéthane / 1,2-Dibromotetrafluoroetano* $BrCF_2CF_2Br$ $C_2Br_2F_4$ $M = 259{,}82$ g/mol **1 L ≈ 2,15 kg** assay (GC) ..... 99% boiling range ..... 46—48 °C	FL. *2902*	250 ml	200,—	170,—	160,—	15
61122 A 6.1/23 C 6.1 1615 2	**1,6-Dibromo-1,1,2,2-tetrafluorohexane** PROSYNTH® *1-6-Dibromo-1-1-2-2-tétrafluorohexane / 1,6-Dibromo-1,1,2,2-tetrafluorohexano* $BrCF_2CF_2CH_2CH_2CH_2CH_2Br$ $C_6H_8Br_2F_4$ $M = 315{,}93$ g/mol **1 L ≈ 1,80 kg** assay (GC) ..... 98% boiling range (at 13 mbar) ..... 74—76 °C refractive index (n_D^{20}) 1,434	FL. *2902*	100 ml	101,50	86,30	81,20	7
64010	**2,5-Dibromothiophene** PROSYNTH® *2-5-Dibromothiophène / 2,5-Dibromotiofeno* $SCBr=CHCH=CBr$ $C_4H_2Br_2S$ $M = 241{,}93$ g/mol **1 L ≈ 2,14 kg** assay (GC) ..... 95% boiling range ..... 208—211° refractive index (n_D^{20}) 1,627	FL. *2935*	10 ml	69,—	58,65	55,20	5
	Dibromothymolsulphonphthalein see Bromothymol blue						
64011 A 6.1/61A C 6.1 2811 2	**1,2-Dibromotrichloroethane** PROSYNTH® *1-2-Dibromotrichloroéthane / 1,2-Dibromotricloroetano* $CHClBrCCl_2Br$ $C_2HBr_2Cl_3$ $M = 291{,}20$ g/mol assay (GC) ..... 99% refractive index (n_D^{20}) 1,572	FL. *2902*	10 g	32,50	27,65	26,—	2
64616	**1,11-Dibromoundecane** PROSYNTH® *1-11-Dibromoundécane / 1,11-Dibromoundecano* $Br(CH_2)_{11}Br$ $C_{11}H_{22}Br_2$ $M = 314{,}10$ g/mol **1 L ≈ 1,34 kg** assay (GC) ..... 95% boiling range (at 13 mbar) ..... 173—175 °C refractive index (n_D^{20}) 1,492	FL. *2902*	10 ml	46,—	39,10	36,80	34
62463 A 6.1/23 A C 6.1 2811 2	**α,α'-Dibromo-o-xylene** PROSYNTH® *α,α'-Dibromo-o-xylène / α,α'-Dibromo-o-xileno* $C_8H_4(CH_2Br)_2$ $C_8H_8Br_2$ $M = 263{,}96$ g/mol assay (GC) ..... 97% melting range ..... 92—94 °C	WG. *2902*	10 g	25,25	21,45	20,20	18

ode-Number RID/ADR GGVE/GGVS IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
3666 6.1/23 A 6.1 2811 2	**α-α′-Dibromo-m-xylene** PROSYNTH® *α-α′-Dibromo-m-xylène / α-α′-Dibromo-m-xileno* $C_6H_4(CH_2Br)_2$ $C_8H_8Br_2$ $M = 263,96$ g/mol assay (GC) ..... 97% melting range ..... 74–76 °C	WG. *2902*	10 g	25,25	21,45	20,20	18,95
2464 6.1/23 A 6.1 2811 2	**α-α′-Dibromo-p-xylene** PROSYNTH® *α-α′-Dibromo-p-xylène / α-α′-Dibromo-p-xileno* $C_6H_4(CH_2Br)_2$ $C_8H_8Br_2$ $M = 263,96$ g/mol assay (GC) ..... 98% melting range ..... 142–145 °C	WG. *2902*	100 g	79,50	67,60	63,60	59,65
3680 6.1/23A 6.1 2811 2	**2,5-Dibromo-p-xylene** PROSYNTH® *2-5-Dibromo-p-xylène / 2,5-Dibromo-p-xileno* $(CH_3)_2C_6H_2Br_2$ $C_8H_8Br_2$ $M = 263,96$ g/mol assay (GC) ..... 98% melting range ..... 72–74 °C	WG. *2902*	10 g	22,50	19,15	18,—	16,90
64219	**Dibutyl adipate** PROSYNTH® *Dibutyle adipate / Dibutilo adipato* $CH_3(CH_2)_3OCO(CH_2)_4COO(CH_2)_3CH_3$ $C_{14}H_{26}O_4$ $M = 258,36$ g/mol **1 L ≈ 0,96 kg** assay (GC) ..... 99% boiling range (at 16 mbar) ..... 178–180 °C refractive index (n_D^{20}) 1,472	FL. *2915*	250 ml	19,75	16,80	15,80	14,80
15907 A 8/35 C 8 2248 2 +52 °C	**Di-*n*-butylamine** *Di-n-butylamine / Di-n-butilamina* $(CH_3CH_2CH_2CH_2)_2NH$ $C_8H_{19}N$ $M = 129,24$ g/mol **1 L ≈ 0,76 kg** assay (GC) ..... 99% boiling range ..... 157–160 °C density (D_4^{20}) ..... 0,759–0,761 refractive index (n_D^{20}) ..... 1,4170–1,4180 R: 10-20/21/22 disposal: 19	FL. FL. EKL. F. *2922*	1 L 2,5 L 20 kg 150 kg	21,50 45,25 price on request price on request	18,30 37,55	17,20 35,30	16,55 33,95
64012 A 6.1/21 C 6.1 2811 2	**4-Dibutylaminobutyronitrile** PROSYNTH® *4-Dibutylaminobutyronitrile / 4-Dibutilaminobutironitrilo* $[CH_3(CH_2)_3]_2N(CH_2)_3CN$ $C_{12}H_{24}N_2$ $M = 196,34$ g/mol assay (GC) 98%	FL. *2927*	10 g	26,25	22,30	21,—	19,70
62465 A 3/4 +95 °C	**2-Dibutylaminoethanol** PROSYNTH® *2-Dibutylaminoéthanol / 2-Dibutilaminoetanol* $(CH_3CH_2CH_2CH_2)_2NCH_2CH_2OH$ $C_{10}H_{23}NO$ $M = 173,30$ g/mol **1 L ≈ 0,86 kg** assay (ex N) ..... 98% boiling range (at 984 mbar) ..... 225–227 °C refractive index (n_D^{20}) 1,444	FL. *2923*	1 L	66,50	56,55	53,20	51,20
62466 A 6.1/21 C 6.1 2810 2	**3-Dibutylaminopropionitrile** PROSYNTH® *3-Dibutylaminopropionitrile / 3-Dibutilaminopropionitrilo* $(CH_3CH_2CH_2CH_2)_2NCH_2CH_2CN$ $C_{11}H_{22}N_2$ $M = 182,31$ g/mol **1 L ≈ 0,84 kg** assay (GC) ..... 96% boiling range (at 26 mbar) ..... 139–141 °C refractive index (n_D^{20}) 1,441	FL. *2927*	100 ml	44,50	37,85	35,60	33,40
39348	**Di-*tert.*-butyl dicarbonate** BIOSYNTH® *Di-tert.-butyle dicarbonate / Di-terc.-butilo dicarbonato* $[(CH_3)_3COCO]_2O$ $C_{10}H_{18}O_5$ $M = 218,25$ g/mol	WG. *2921*	25 g	37,25	31,65	29,80	27,95

PANPEHA® universal indicator paper in strips

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	9((18 Bo
64494 A 3/4 C 6.1 2810 3 +64 °C	**Di-*tert.*-butyl disulphide** PROSYNTH® *Di-tert.-butyle disulfure / Di-terc.-butilo disulfuro* $(CH_3)_3CSSC(CH_3)_3$ $C_8H_{18}S_2$ $M = 178{,}36$ g/mol **1 L ≈ 0,93 kg** assay (GC) ..... 98 % boiling range ..... 198—204 °C refractive index (n_D^{20}) 1,492	FL. *2931*	250 ml	21,50	18,30	17,20	16,
63422 A 3/1A C 3.2 1993 2 -6 °C	**Di-*iso*-butylene** mixture of 2,4,4-Trimethyl-1-pentene and 2,4,4-Trimethyl-2-pentene PROSYNTH® *Di-iso-butylène / Di-iso-butileno* C_8H_{16} $M = 112{,}21$ g/mol **1 L ≈ 0,71 kg** R: 11 S: 9-16-33 disposal: 6	FL. *2901*	1 L	43,75	37,20	35,—	33,
24222 A 3/3 C 3.3 1149 3 +25 °C	**Di-*n*-butyl ether** *Ether di-n-butylique / Eter di-n-butílico* $CH_3(CH_2)_3O(CH_2)_3CH_3$ $C_8H_{18}O$ $M = 130{,}23$ g/mol **1 L ≈ 0,77 kg** boiling range ..... 141—142 °C density (D_4^{20}) ..... 0,768—0,769 refractive index (n_D^{20}) ..... 1,3985—1,4000 non-volatile matter ..... 0,005 %	FL. *2908*	1 L	19,25	16,35	15,40	14,
60170	**Di-*n*-butyl-fumarate** PROSYNTH® *Di-n-butyle fumarate / Di-n-butilo fumarato* $CH_3(CH_2)_3OCOCH=CHCOO(CH_2)_3CH_3$ $C_{12}H_{20}O_4$ $M = 228{,}29$ g/mol **1 L ≈ 0,99 kg** assay (GC) ..... 99 % boiling range (at 2,7 mbar) ..... 108—110 °C refractive index (n_D^{20}) 1,446	FL. *2915*	500 ml	13,25	11,25	10,60	10,
62467	**2,5-Di-*tert.*-butylhydroquinone** PROSYNTH® *Di-tert.-butyl-2-5-hydroquinone / 2,5-Di-terc.-butilhidroquinona* $[(CH_3)_3C]_2C_6H_2(OH)_2$ $C_{14}H_{22}O_2$ $M = 222{,}33$ g/mol assay ..... 98 % melting range ..... 213—215 °C	PF. *2906*	250 g	31,25	26,55	25,—	23,
64695	**3,5-Di-*tert.*-butyl-4-hydroxybenzoic acid** PROSYNTH® *Acide 3-5-di-tert.-butyl-4-hydroxybenzoïque / Acido 3,5-di-terc.-butil-4-hidroxibenzóico* $HOOCC_6H_2(OH)[C(CH_3)_3]_2$ $C_{15}H_{22}O_3$ $M = 250{,}34$ g/mol assay (alkalimetric) ..... 99 % melting range ..... 207—209 °C	WG. *2916*	250 g	23,50	20,—	18,80	17,
	Dibutyl ketone see Nonanone-(5)						
65176 A 6.1/22A C 6.1 2811 127 °C	**2,6-Di-*tert.*-butyl-methylphenol** PROSYNTH® *Di-tert.-butyl-2-6-méthyl-4-phénol / 2,6-Di-terc.-butil-4-metilfenol* $[(CH_3)_3C]_2C_6H_2(CH_3)OH$ $C_{15}H_{24}O$ $M = 220{,}35$ g/mol assay (GC) ..... 99 % melting range ..... 68—71 °C	PF. PF. *2906*	500 g 2,5 kg	21,50 89,—	18,30 73,85	17,20 69,40	16, 66,

de-Number RID/ADR GGVE/GGVS MDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
2468 5.2/1 5.2 2102 2 18 °C	**Di-*tert.*-butyl peroxide** PROSYNTH® *Di-tert.-butyle peroxyde / Di-terc.-butilo peróxido* $(CH_3)_3COOC(CH_3)_3$ $C_8H_{18}O_2$ $M = 146{,}23$ g/mol **1 L ≈ 0,79 kg** assay (GC) ..... 98 % boiling range ..... 108—110 °C refractive index (n_D^{20}) ..... 1,389 R: 11-37/38 S: 3-7/9-14-27-37/39 disposal: 16	FL. *2908*	**250 ml**	20,75	17,65	16,60	15,55
4022 6.1/13C 6.1 2811 2	**2,4-Di-*sec.*-butylphenol** PROSYNTH® *Di-sec.-butyl-2-4-phénol / 2,4-Di-sec.-butilfenol* $[C_2H_5CH(CH_3)]_2C_6H_3OH$ $C_{14}H_{22}O$ $M = 206{,}33$ g/mol assay (GC) ..... 95 %	FL. *2906*	**100 g**	56,50	48,05	45,20	42,40
4496 6.1/22B 6.1 2811 2	**2,4-Di-*tert.*-butylphenol** PROSYNTH® *Di-tert.-butyl-2-4-phénol / 2,4-Di-terc.-butilfenol* $[(CH_3)_3C]_2C_6H_3OH$ $C_{14}H_{22}O$ $M = 206{,}33$ g/mol assay (GC) ..... 97 % melting range ..... 53—56 °C	WG. *2906*	**500 g**	25,25	21,45	20,20	19,45
63377 A 6.1/13C C 6.1 2811 2	**2,6-Di-*tert.*-butylphenol** PROSYNTH® *Di-tert.-butyl-2-6-phénol / 2,6-Di-terc.-butilfenol* $[(CH_3)_3C]_2C_6H_3OH$ $C_{14}H_{22}O$ $M = 206{,}33$ g/mol assay (GC) ..... 98 % melting range ..... 34—37 °C	FL. *2906*	**250 g**	18,75	15,95	15,—	14,05
62994	**Dibutyl phthalate** PROSYNTH® *Dibutyle phtalate / Dibutilo ftalato* $C_6H_4[COO(CH_2)_3CH_3]_2$ $C_{16}H_{22}O_4$ $M = 278{,}35$ g/mol **1 L ≈ 1,05 kg** assay (GC) ..... 99 % boiling range (at 7 mbar) ..... 182—184 °C refractive index (n_D^{20}) 1,493	FL. *2915*	**1 L**	19,50	16,60	15,60	15,—
62469 A 3/4 +62 °C	**Dibutyl sulphide** PROSYNTH® *Dibutyle sulfure / Dibutilo sulfuro* $CH_3(CH_2)_3S(CH_2)_3CH_3$ $C_8H_{18}S$ $M = 146{,}30$ g/mol **1 L ≈ 0,84 kg** assay (GC) ..... 97 % boiling range ..... 185—188 °C refractive index (n_D^{20}) 1,453	FL. *2931*	**100 ml**	53,50	45,50	42,80	40,15
64627 A 3/3 C 3.3 1993 2 +30 °C	**Di-*tert.*-butyl sulphide** PROSYNTH® *Di-tert.-butyle sulfure / Di-terc.-butilo sulfuro* $(CH_3)_3CSC(CH_3)_3$ $C_8H_{18}S$ $M = 146{,}30$ g/mol **1 L ≈ 0,82 kg** assay (GC) ..... 98 % boiling range ..... 147—150 °C refractive index (n_D^{20}) ..... 1,452 R: 10 disposal: 15	FL. *2931*	**100 ml**	17,25	14,65	13,80	12,95
39673	**Di-*n*-butyl tetrachlorophthalate** for gas chromatography *Di-n-butyle tétrachlorophtalate / Di-n-butilo tetracloroftalato* $C_6Cl_4[COO(CH_2)_3CH_3]_2$ $C_{16}H_{18}Cl_4O_4$ $M = 416{,}13$ g/mol working temperature ..... to 75 °C	WG. *2915*	**25 g**	178,—	151,30	142,40	133,50
62470 A 6.1/81D C 6.1 2588 3	**N,N'-Dibutylthiourea** PROSYNTH® *N-N'-Dibutylthiourée / N,N'-Dibutiltiourea* $CH_3(CH_2)_3NHCSNH(CH_2)_3CH_3$ $C_9H_{20}N_2S$ $M = 188{,}34$ g/mol assay (ex N) ..... 98 % melting range ..... 63—65 °C	PF. *2931*	**250 g**	22,—	18,70	17,60	16,50

PEHANAL® universal indicator paper in rolls

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	9 (16 B
62471 A 6.1/81F2 C 6.1 2810 2	**Dibutyltin diacetate** PROSYNTH® *Dibutylétain diacétate / Dibutilestaño diacetato* $(CH_3CH_2CH_2CH_2)_2Sn(OCOCH_3)_2$ $C_{12}H_{24}O_4Sn$ $M = 351{,}01$ g/mol **1 L ≈ 1,31 kg** assay (ex Sn) ..... 98% refractive index (n_D^{20}) ..... 1,471 R: 23/24/25 S: 2-13-44 disposal: 10	FL. *2934*	100 ml	50,50	42,95	40,40	37
64498 A 6.1/81F C 6.1 1615 3	**Dibutyltin dichloride** PROSYNTH® *Dibutylétain dichlorure / Dibutilestaño dicloruro* $(CH_3CH_2CH_2CH_2)_2SnCl_2$ $C_8H_{18}Cl_2Sn$ $M = 303{,}83$ g/mol assay (ex Sn) ..... 97% melting range ..... 37—40 °C keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 23/24/25 S: 2-13-44 disposal: 10	WG. *2934*	250 g	46,75	39,75	37,40	35
	Dicalcium phosphate see Calcium hydrogen phosphate						
35710	**Dicamba** min. 99% PESTANAL® (3,6-Dichloro-o-anisic acid) $Cl_2C_6H_2(OCH_3)COOH$ $C_8H_6Cl_2O_3$ $M = 221{,}04$ g/mol R: 20/21/22 S: 2-13 disposal: 7	FL. *2916*	1 g	28,25	24,—	22,60	21
	Dicetyl see Dotriacontane						
	Dicetyl ether see Dihexadecyl ether						
35725	**Dichlobenil** min. 99% PESTANAL® (2,6-Dichlorobenzonitrile) $Cl_2C_6H_3CN$ $C_7H_3Cl_2N$ $M = 172{,}01$ g/mol	FL. *2927*	1 g	21,50	18,30	17,20	16
35891 A 6.1/81A C 6.1 1615 3	**Dichlofenthion** min. 98% PESTANAL® (O,O-Diethyl-O-[2,4-dichlorophenyl]-- phosphoromonothioate) $(CH_3CH_2O)_2P(S)OC_6H_3Cl_2$ $C_{10}H_{13}Cl_2O_3PS$ $M = 315{,}16$ g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 20/21/22 S: 2-13 disposal: 7	FL. *2921*	2 g	42,75	36,35	34,20	32
35852	**Dichloran** min. 99% PESTANAL® (2,6-Dichloro-4-nitroaniline) $Cl_2(NO_2)C_6H_2NH_2$ $C_6H_4Cl_2N_2O_2$ $M = 207{,}02$ g/mol R: 26/27/28-33 S: 28-36/37-45 disposal: 7	FL. *2922*	5 g	35,—	29,75	28,—	26
27208 A 8/21A2 C 8 1764 2	**Dichloroacetic acid** about 99% *Acide dichloroacétique / Acido dicloroacético* $CHCl_2COOH$ $C_2H_2Cl_2O_2$ $M = 128{,}94$ g/mol **1 L ≈ 1,54 kg** R: 35 S: 26 disposal: 21	FL. FL. STP. *2914*	250 ml 1 L 40 kg	19,25 62,50	16,35 53,15 price on request	15,40 50,—	14 48
63378 A 6.1/61B C 6.1 2810 2	**1,3-Dichloroacetone** PROSYNTH® *1-3-Dichloroacétone / 1,3-Dicloroacetona* $ClCH_2COCH_2Cl$ $C_3H_4Cl_2O$ $M = 126{,}97$ g/mol **1 L ≈ 1,38 kg** assay (GC) ..... 98% melting range ..... 39—42 °C	FL. *2913*	100 ml	140,—	119,—	112,—	105

Code-Number RID/ADR GGVE/GGVS IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
4015 6.1/23B 6.1 2810 2	**2,5-Dichloroacetophenone** PROSYNTH® *2-5-Dichloroacétophénone / 2,5-Dicloroacetofenona* $Cl_2C_6H_3COCH_3$ $C_8H_6Cl_2O$ *M* = 189,04 g/mol **1 L ≈ 1,34 kg** assay (GC) ..... 97% boiling range ..... 250—252 °C refractive index (n_D^{20}) 1,562	FL. *2913*	10 ml	33,25	28,25	26,60	24,95
	2,5-Dichloro-1-acetylbenzene see 2,5-Dichloroacetophenone						
4501 8/22 8 1765 2	**Dichloroacetyl chloride** PROSYNTH® *Dichloroacétyle chlorure / Dicloroacetilo cloruro* $Cl_2CHCOCl$ C_2HCl_3O *M* = 147,39 g/mol **1 L ≈ 1,53 kg** assay (GC) ..... 98% boiling range ..... 105—108 °C refractive index (n_D^{20}) 1,460	FL. *2914*	250 ml	30,—	25,50	24,—	22,50
62474 A 6.1/21E C 6.1 2019 2	**2,3-Dichloroaniline** PROSYNTH® *Dichloro-2-3-aniline / 2,3-Dicloroanilina* $Cl_2C_6H_3NH_2$ $C_6H_5Cl_2N$ *M* = 162,02 g/mol **1 L ≈ 1,37 kg** assay (GC) ..... 99% boiling range ..... 250—252 °C refractive index (n_D^{20}) ..... 1,597 R: 23/24/25-33 S: 28-36/37-44 disposal: 7	FL. *2922*	500 ml	50,50	42,95	40,40	38,90
35829 A 6.1/21E C 6.1 2811 2	**2,4-Dichloroaniline** min. 99% PESTANAL® *Dichloro-2-4-aniline / 2,4-Dicloroanilina* $Cl_2C_6H_3NH_2$ $C_6H_5Cl_2N$ *M* = 162,02 g/mol R: 23/24/25-33 S: 28-36/37-44 disposal: 7	FL. *2922*	5 g	21,50	18,30	17,20	16,15
62475 A 6.1/21E C 6.1 2018 2	**2,4-Dichloroaniline** PROSYNTH® *Dichloro-2-4-aniline / 2,4-Dicloroanilina* $Cl_2C_6H_3NH_2$ $C_6H_5Cl_2N$ *M* = 162,02 g/mol assay (GC) ..... 99% melting range ..... 59—61 °C R: 23/24/25-33 S: 28-36/37-44 disposal: 7	WG. *2922*	250 g	30,75	26,15	24,60	23,05
62476 A 6.1/21E C 6.1 2018 2	**2,5-Dichloroaniline** PROSYNTH® *Dichloro-2-5-aniline / 2,5-Dicloroanilina* $Cl_2C_6H_3NH_2$ $C_6H_5Cl_2N$ *M* = 162,02 g/mol assay (GC) ..... 97% melting range ..... 47—50 °C R: 23/24/25-33 S: 28-36/37-44 disposal: 7	WG. *2922*	1 kg	60,—	51,—	48,—	46,20
64503 A 6.1/21E C 6.1 2811 2	**2,6-Dichloroaniline** PROSYNTH® *Dichloro-2-6-aniline / 2,6-Dicloroanilina* $Cl_2C_6H_3NH_2$ $C_6H_5Cl_2N$ *M* = 162,02 g/mol assay (GC) ..... 99% melting range ..... 36—38 °C R: 23/24/25-33 S: 28-36/37-44 disposal: 7	WG. *2922*	250 g	54,—	45,90	43,20	40,50

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96 (16 Bo
35827 A 6.1/21E C 6.1 2811 2	**3,4-Dichloroaniline** min. 99% PESTANAL® *Dichloro-3-4-aniline / 3,4-Dicloroanilina* $Cl_2C_6H_3NH_2$ $C_6H_5Cl_2N$ $M = 162{,}02$ g/mol R: 23/24/25-33 S: 28-36/37-44 disposal: 7	FL. *2922*	5 g	19,50	16,60	15,60	14,
62477 A 6.1/21E C 6.1 2018 2	**3,4-Dichloroaniline** PROSYNTH® *Dichloro-3-4-aniline / 3,4-Dicloroanilina* $Cl_2C_6H_3NH_2$ $C_6H_5Cl_2N$ $M = 162{,}02$ g/mol assay (GC) ..... 99% melting range ..... 71–73 °C R: 23/24/25-33 S: 28-36/37-44 disposal: 7	WG. *2922*	250 g	14,50	12,35	11,60	10,
64739 A 6.1/21E C 6.1 2018 2	**3,5-Dichloroaniline** PROSYNTH® *Dichloro-3-5-aniline / 3,5-Dicloroanilina* $Cl_2C_6H_3NH_2$ $C_6H_5Cl_2N$ $M = 162{,}02$ g/mol assay (GC) ..... 97% melting range ..... 48–50 °C R: 23/24/25-33 S: 28-36/37-44 disposal: 7	WG. *2922*	25 g	24,75	21,05	19,80	18,
64694	**2,3-Dichloroanisole** PROSYNTH® *Dichloro-2-3-anisole / 2,3-Dicloroanisol* $CH_3OC_6H_3Cl_2$ $C_7H_6Cl_2O$ $M = 177{,}03$ g/mol assay (GC) ..... 98% melting range ..... 31–33 °C	WG. *2908*	50 g	37,25	31,65	29,80	27,
64702	**2,6-Dichloroanisole** PROSYNTH® *Dichloro-2-6-anisole / 2,6-Dicloroanisol* $CH_3OC_6H_3Cl_2$ $C_7H_6Cl_2O$ $M = 177{,}03$ g/mol **1 L ≈ 1,29 kg** assay (GC) ..... 98% boiling range (at 27 mbar) ..... 103–105 °C	FL. *2908*	50 g	37,25	31,65	29,80	27,
64884	**3,5-Dichloroanthranilic acid** PROSYNTH® *Acide 3-5-dichloroanthranilique / Acido 3,5-dicloroantranílico* $NH_2C_6H_2Cl_2COOH$ $C_7H_5Cl_2NO_2$ $M = 206{,}03$ g/mol assay (alkalimetric) ..... 97% melting range ..... 225–227 °C	WG. *2923*	100 g	18,75	15,95	15,—	14,
64785	**2,6-Dichlorobenzal chloride** PROSYNTH® *2-6-Dichlorobenzale chlorure / 2,6-Diclorobenzalo cloruro* $Cl_2C_6H_3CHCl_2$ $C_7H_4Cl_4$ $M = 229{,}92$ g/mol **1 L ≈ 1,51 kg** assay (GC) ..... 95% boiling range (at 21 mbar) ..... 124–126 °C	FL. *2902*	100 ml	43,25	36,75	34,60	32,
62478	**2,4-Dichlorobenzaldehyde** PROSYNTH® *2-4-Dichlorobenzaldéhyde / 2,4-Diclorobenzaldehido* $Cl_2C_6H_3CHO$ $C_7H_4Cl_2O$ $M = 175{,}01$ g/mol assay (GC) ..... 98% melting range ..... 68–70 °C	WG. *2912*	100 g	25,25	21,45	20,20	18,
62479	**2,6-Dichlorobenzaldehyde** PROSYNTH® *2-6-Dichlorobenzaldéhyde / 2,6-Diclorobenzaldehido* $Cl_2C_6H_3CHO$ $C_7H_4Cl_2O$ $M = 175{,}01$ g/mol assay (GC) ..... 98% melting range ..... 68–70 °C	PF. *2912*	100 g	35,—	29,75	28,—	26,2

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ode-Number RID/ADR GGVE/GGVS IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
2480	**3,4-Dichlorobenzaldehyde** PROSYNTH® *3-4-Dichlorobenzaldéhyde / 3,4-Diclorobenzaldehido* $Cl_2C_6H_3CHO$ $C_7H_4Cl_2O$ $M = 175{,}01$ g/mol assay (GC) ..... 98% melting range ..... 39—40 °C	WG. *2912*	100 g	49,75	42,30	39,80	37,30
3160 6.1/61A 6.1 1591 3	**1,2-Dichlorobenzene** for extraction analysis *1-2-Dichlorobenzène / 1,2-Diclorobenceno* $C_6H_4Cl_2$ $M = 147{,}00$ g/mol **1 L ≈ 1,30 kg** assay (GC) ..... min. 99% water (according to Karl Fischer) ..... max. 0,01% sulphated ash ..... max. 0,001% free acid (as HCl) ..... max. 0,001% iron (Fe) ..... max. 0,0001% heavy metals (as Pb) ..... max. 0,0001% chloride (Cl) ..... max. 0,0001% R: 20 S: 24/25 disposal: 7	FL. FL. *2902*	1 L 2,5 L	26,50 55,50	22,55 46,05	21,20 43,30	20,40 41,65
65152 A 6.1/61A C 6.1 1591 3	**1,2-Dichlorobenzene** PROSYNTH® *1-2-Dichlorobenzène / 1,2-Diclorobenceno* $C_6H_4Cl_2$ $M = 147{,}00$ g/mol **1 L ≈ 1,30 kg** assay (GC) ..... 99% boiling range ..... 178—180 °C refractive index (n_D^{20}) ..... 1,551 R: 20 S: 24/25 disposal: 7	FL. FL. *2902*	1 L 2,5 L	24,25 51,—	20,60 42,35	19,40 39,80	18,65 38,25
60134 A 6.1/61A C 6.1 1591 3	**1,3-Dichlorobenzene** PROSYNTH® *1-3-Dichlorobenzène / 1,3-Diclorobenceno* $C_6H_4Cl_2$ $M = 147{,}00$ g/mol **1 L ≈ 1,29 kg** assay (GC) ..... 99% boiling range ..... 171—173 °C refractive index (n_D^{20}) ..... 1,546 R: 20 S: 24/25 disposal: 7	FL. *2902*	500 ml	43,25	36,75	34,60	33,30
35775 C 9 1592 3	**1,4-Dichlorobenzene** min. 99% PESTANAL® *1-4-Dichlorobenzène / 1,4-Diclorobenceno* $C_6H_4Cl_2$ $M = 147{,}00$ g/mol R: 22 S: 2-24/25 disposal: 7	FL. *2902*	1 g	14,25	12,10	11,40	10,70
18202 C 9 1592 3	**1,4-Dichlorobenzene** technical granular *1-4-Dichlorobenzène / 1,4-Diclorobenceno* $C_6H_4Cl_2$ $M = 147{,}00$ g/mol R: 22 S: 2-24/25 disposal: 7	BL. BL. S. *2902*	1 kg 5 kg 40 kg	22,— 82,—	18,70 68,05 price on request	17,60 63,95	16,95 61,50
62481	**2,4-Dichlorobenzoic acid** PROSYNTH® *Acide 2-4-dichlorobenzoïque / Acido 2,4-diclorobenzoico* $Cl_2C_6H_3COOH$ $C_7H_4Cl_2O_2$ $M = 191{,}01$ g/mol assay (alkalimetric) ..... 99% melting range ..... 159—161 °C	PF. *2914*	250 g	66,50	56,55	53,20	49,90
64792	**2,5-Dichlorobenzoic acid** PROSYNTH® *Acide 2-5-dichlorobenzoïque / Acido 2,5-diclorobenzoico* $Cl_2C_6H_3COOH$ $C_7H_4Cl_2O_2$ $M = 191{,}01$ g/mol assay (alkalimetric) ..... 98% melting range ..... 151—154 °C	WG. *2914*	50 g	41,50	35,30	33,20	31,15

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62482	**2,6-Dichlorobenzoic acid** PROSYNTH® *Acide 2-6-dichlorobenzoïque / Acido 2,6-diclorobenzoico* $Cl_2C_6H_3COOH$ $C_7H_4Cl_2O_2$ $M = 191{,}01$ g/mol assay (alkalimetric) ..... 98% melting range ..... 141 – 143 °C	WG. *2914*	10 g	22,—	18,70	17,60	16,5
62483	**3,4-Dichlorobenzoic acid** PROSYNTH® *Acide 3-4-dichlorobenzoïque / Acido 3,4-diclorobenzoico* $Cl_2C_6H_3COOH$ $C_7H_4Cl_2O_2$ $M = 191{,}01$ g/mol assay (alkalimetric) ..... 99% melting range ..... 207 – 209 °C	PF. *2914*	100 g	35,—	29,75	28,—	26,2
65210	**3,5-Dichlorobenzoic acid** PROSYNTH® *Acide 3-5-dichlorobenzoïque / Acido 3,5-diclorobenzoico* $Cl_2C_6H_3COOH$ $C_7H_4Cl_2O_2$ $M = 191{,}01$ g/mol melting range ..... 181 – 185 °C	PF. *2914*	50 g	price on request			
	2,6-Dichlorobenzoic acid nitrile see 2,6-Dichlorobenzonitrile						
63379 A 6.1/21A C 6.1 1935 1	**2,6-Dichlorobenzonitrile** PROSYNTH® *2-6-Dichlorobenzonitrile / 2,6-Diclorobenzonitrilo* $Cl_2C_6H_3CN$ $C_7H_3Cl_2N$ $M = 172{,}01$ g/mol assay (GC) ..... 97% melting range ..... 141 – 143 °C R: 20/21/22 S: 28 disposal: 15	WG. *2927*	5 g	22,—	18,70	17,60	16,5
64505 A 8/22 C 8 1760 2	**2,4-Dichlorobenzoyl chloride** PROSYNTH® *Dichloro-2-4-benzoyle chlorure / 2,4-Diclorobenzoílo cloruro* $Cl_2C_6H_3COCl$ $C_7H_3Cl_3O$ $M = 209{,}46$ g/mol 1 L ≈ 1,50 kg assay (ex Cl) ..... 97% boiling range ..... 148 – 150 °C refractive index (n_D^{20}) ..... 1,593 R: 34 S: 26 disposal: 21	FL. *2914*	100 ml	35,25	29,95	28,20	26,4
64796 A 8/22 C 8 ./. 2	**3,4-Dichlorobenzoyl chloride** PROSYNTH® *Dichloro-3-4-benzoyle chlorure / 3,4-Diclorobenzoílo cloruro* $Cl_2C_6H_3COCl$ $C_7H_3Cl_3O$ $M = 209{,}46$ g/mol assay (ex Cl) ..... 98% melting range ..... 31 – 33 °C R: 34 S: 26 disposal: 21	WG. *2914*	100 g	25,75	21,90	20,60	19,3
64016 A 5.2/13B B 5.2/13C C 5.2 2139 2	**2,4-Dichlorobenzoyl peroxide** moistened with about 50% H_2O PROSYNTH® *2-4-Dichlorobenzoyle peroxyde / 2,4-Diclorobenzoílo peróxido* $(Cl_2C_6H_3CO)_2O_2$ $C_{14}H_6Cl_4O_4$ $M = 380{,}01$ g/mol	WG. *2914*	100 g	47,—	39,95	37,60	35,2
64868	**2,4-Dichlorobenzyl alcohol** PROSYNTH® *Alcool 2-4-dichlorobenzylique / Alcohol 2,4-diclorobencílico* $Cl_2C_6H_3CH_2OH$ $C_7H_6Cl_2O$ $M = 177{,}03$ g/mol assay (GC) ..... 98% melting range ..... 57 – 59 °C	WG. *2905*	10 g	14,25	12,10	11,40	10,7

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017	**2,6-Dichlorobenzyl alcohol** PROSYNTH® *Alcool 2-6-dichlorobenzylique / Alcohol 2,6-diclorobencílico* $Cl_2C_6H_3CH_2OH$ $C_7H_6Cl_2O$ $M = 177{,}03$ g/mol assay (GC) ..... 98% melting range ..... 95–97 °C	WG. *2905*	5 g	34,–	28,90	27,20	25,50
4880	**3,4-Dichlorobenzyl alcohol** PROSYNTH® *Alcool 3-4-dichlorobenzylique / Alcohol 3,4-diclorobencílico* $Cl_2C_6H_3CH_2OH$ $C_7H_6Cl_2O$ $M = 177{,}03$ g/mol assay (GC) ..... 98% melting range ..... 37–39 °C	WG. *2905*	10 g	27,25	23,15	21,80	20,45
4932 8/35 8 1719 2	**2,4-Dichlorobenzylamine** PROSYNTH® *2-4-Dichlorobenzylamine / 2,4-Diclorobencilamina* $Cl_2C_6H_3CH_2NH_2$ $C_7H_7Cl_2N$ $M = 176{,}05$ g/mol **1 L ≈ 1,32 kg** assay (GC) ..... 96% boiling range (at 7 mbar) ..... 81–84 °C refractive index (n_D^{20}) 1,577	FL. *2922*	5 ml	41,–	34,85	32,80	30,75
3381 8/35 8 1760 2	**3,4-Dichlorobenzylamine** PROSYNTH® *3-4-Dichlorobenzylamine / 3,4-Diclorobencilamina* $Cl_2C_6H_3CH_2NH_2$ $C_7H_7Cl_2N$ $M = 176{,}05$ g/mol **1 L ≈ 1,32 kg** assay (GC) ..... 99% refractive index (n_D^{20}) 1,577	FL. *2922*	5 ml	59,–	50,15	47,20	44,25
63382 A 6.1/62A C 8 1759 2	**2,6-Dichlorobenzyl bromide** PROSYNTH® *2-6-Dichlorobenzyle bromure / 2,6-Diclorobencilo bromuro* $Cl_2C_6H_3CH_2Br$ $C_7H_5BrCl_2$ $M = 239{,}93$ g/mol assay (GC) ..... 98% melting range ..... 54–56 °C	WG. *2902*	25 g	63,50	54,–	50,80	47,65
63383 A 6.1/61K C 8 1760 2	**2,4-Dichlorobenzyl chloride** PROSYNTH® *2-4-Dichlorobenzyle chlorure / 2,4-Diclorobencilo cloruro* $Cl_2C_6H_3CH_2Cl$ $C_7H_5Cl_3$ $M = 195{,}48$ g/mol **1 L ≈ 1,41 kg** assay (GC) ..... 97% refractive index (n_D^{20}) 1,576	FL. *2902*	100 ml	43,75	37,20	35,–	32,80
63384 A 6.1/62A C 8 1759 2	**2,6-Dichlorobenzyl chloride** PROSYNTH® *2-6-Dichlorobenzyle chlorure / 2,6-Diclorobencilo cloruro* $Cl_2C_6H_3CH_2Cl$ $C_7H_5Cl_3$ $M = 195{,}48$ g/mol assay (GC) ..... 99% melting range ..... 37–40 °C	WG. *2902*	25 g	51,–	43,35	40,80	38,25
63385 A 6.1/61K C 8 1760 2	**3,4-Dichlorobenzyl chloride** PROSYNTH® *3-4-Dichlorobenzyle chlorure / 3,4-Diclorobencilo cloruro* $Cl_2C_6H_3CH_2Cl$ $C_7H_5Cl_3$ $M = 195{,}48$ g/mol **1 L ≈ 1,41 kg** assay (GC) ..... 97% boiling range ..... 238–240 °C refractive index (n_D^{20}) 1,578	FL. *2902*	50 ml	42,25	35,90	33,80	31,70
64888 A 6.1/21A C 6.1 2811 1	**2,4-Dichlorobenzyl cyanide** PROSYNTH® *2-4-Dichlorobenzyle cyanure / 2,4-Diclorobencilo cianuro* $Cl_2C_6H_3CH_2CN$ $C_8H_5Cl_2N$ $M = 186{,}04$ g/mol assay (GC) ..... 98% melting range ..... 58–61 °C R: 20/21/22 S: 28 disposal: 15	WG. *2927*	10 g	30,75	26,15	24,60	23,05

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63386 A 6.1/21A C 6.1 2811 1	**2,6-Dichlorobenzyl cyanide** PROSYNTH® *2-6-Dichlorobenzyle cyanure / 2,6-Diclorobencilo cianuro* $Cl_2C_6H_3CH_2CN$ $C_8H_5Cl_2N$ $M = 186{,}04$ g/mol assay (GC) ..... 99% melting range ..... 73–76 °C R: 20/21/22 S: 28 disposal: 15	FL. WG. *2927*	† 5 g 25 g	13,– 50,–	11,05 42,50	 40,–	 37,
	2,6-Dichloro-1-chloromethylbenzene see 2,6-Dichlorobenzyl chloride						
	3,4-Dichloro-1-chloromethylbenzene see 3,4-Dichlorobenzyl chloride						
64850 A 6.1/22A C 6.1 2811 2	**4,6-Dichloro-o-cresol** PROSYNTH® *4-6-Dichloro-o-crésol / 4,6-Dicloro-o-cresol* $Cl_2C_6H_2(OH)CH_3$ $C_7H_6Cl_2O$ $M = 177{,}03$ g/mol assay (HPLC) ..... 97% melting range ..... 51–54 °C R: 24/25-34 S: 2-28-44 disposal: 7	WG. *2907*	100 g	22,–	18,70	17,60	16,5
64960 A 6.1/22 C 5.1 2465 2	**Dichlorocyanuric acid** PROSYNTH® *Acide dichlorocyanurique / Acido diclorocianúrico* NHCONCICONCICO $C_3HCl_2N_3O_3$ $M = 197{,}97$ g/mol R: 8-22-31-36/37 S: 8-26-41 disposal: 10	WG. *2935*	500 g	37,25	31,65	29,80	28,7
62484 A 6.1/21 C 6.1 2811 2	**2,3-Dichloro-5,6-dicyan-p-benzoquinone** PROSYNTH® *2-3-Dichloro-5-6-dicyano-p-benzoquinone / 2,3-Dicloro-5,6-diciano-p-benzoquinona* COCCl=CClCOC(CN)=CCN $C_8Cl_2N_2O_2$ $M = 227{,}01$ g/mol assay ..... 98% melting range ..... 210–214 °C (disint.)	WG. *2927*	10 g	22,–	18,70	17,60	16,5
	2,7-Dichloro-3,6-dihydroxyfluorene see 2,7-Dichlorofluorescein						
64804 A 3/3 C 3.3 1993 2 +41 °C	**1,1-Dichloro-3,3-dimethylbutane** PROSYNTH® *1-1-Dichloro-3-3-diméthylbutane / 1,1-Dicloro-3,3-dimetilbutano* $(CH_3)_3CCH_2CHCl_2$ $C_6H_{12}Cl_2$ $M = 155{,}07$ g/mol **1 L ≈ 1,03 kg** assay (GC) ..... 98% boiling range ..... 144–146 °C refractive index (n_D^{20}) ..... 1,438 R: 10 disposal: 7	FL. *2902*	50 ml	49,50	42,10	39,60	37,1
63387 C 5.1 1479 2	**1,3-Dichloro-5,5-dimethylhydantoine** PROSYNTH® *1-3-Dichloro-5-5-diméthylhydantoïne / 1,3-Dicloro-5,5-dimetilhidantoina* ClNCONClCOC$(CH_3)_2$ $C_5H_6Cl_2N_2O_2$ $M = 197{,}02$ g/mol assay (ex Cl) ..... 97% melting range ..... 130–133 °C	PF. *2925*	500 g	49,50	42,10	39,60	38,1
	Dichlorodimethylstannan see Dimethyltin dichloride						
	2,3-Dichloro-1,4-dioxo-1,4-dihydronaphthalene see 2,3-Dichloronaphtoquinone-(1,4)						

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4509	**4,5-Dichloro-1,3-dioxolan-2-one** PROSYNTH® *Dichloro-4,5-dioxolan-1-3-one-2 / 4,5-Dicloro1,3-dioxolan-2-ona* QCOOCHClCHCl $C_3H_2Cl_2O_3$ *M* = 156,95 g/mol **1 L ≈ 1,58 kg** keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	FL. *2921*	10 ml	11,50	9,80	9,20	8,65
4744 8/23B 3.3 1992 2 -55 °C	**Dichlorodiphenylsilane** PROSYNTH® *Dichlorodiphénylsilane / Diclorodifenilsilano* $(C_6H_5)_2SiCl_2$ $C_{12}H_{10}Cl_2Si$ *M* = 253,20 g/mol **1 L ≈ 1,22 kg** assay (ex Cl) ..... 98 % boiling range (at 13 mbar) ..... 161—164 °C refractive index (n_D^{20}) ..... 1,582 R: 36/37/38 S: 26 disposal: 7	FL. *2934*	250 ml	38,75	32,95	31,—	29,05
30856 A 3/1A C 3.2 1184 2 +10 °C	**1,2-Dichloroethane** min. 99,9% for gas chromatography *1-2-Dichloroéthane / 1,2-Dicloroetano* CH_2ClCH_2Cl $C_2H_4Cl_2$ *M* = 98,96 g/mol **1 L ≈ 1,25 kg** R: 11-20 S: 7-16-29-33 disposal: 7	FL. *2902*	5 ml	49,25	41,85	39,40	36,95
34925 A 3/1A C 3.2 1184 2 +10 °C	**1,2-Dichloroethane** SPECTRANAL® *1-2-Dichloroéthane / 1,2-Dicloroetano* $ClCH_2CH_2Cl$ $C_2H_4Cl_2$ *M* = 98,96 g/mol **1 L ≈ 1,25 kg** assay (GC) ..... min. 99,8 % non-volatile matter ..... max. 0,0005 % water (according to Karl Fischer) ..... max. 0,02 % free acid (as HCl) ..... max. 0,001 % suitability for UV-spectroscopy transmittance (1 cm cell; reference: water) transmittance/wavelength (nm): min. 10 %/225, min. 30 %/230, min. 80 %/240, min. 95 %/250, min. 98 %/from 260 min. 98 %261 suitability for IR spectroscopie ..... passes test R: 11-20 S: 7-16-29-33 disposal: 7	FL. FL. *2902*	250 ml 1 L	31,50 96,—	26,80 81,60	25,20 76,80	23,65 73,90
15428 A 3/1A C 3.2 1184 2 +10 °C	**1,2-Dichloroethane** *1-2-Dichloroéthane / 1,2-Dicloroetano* CH_2ClCH_2Cl $C_2H_4Cl_2$ *M* = 98,96 g/mol **1 L ≈ 1,25 kg** assay (GC) ..... 99,8 % boiling range .. with abt. 2° difference within 81—85 °C density (D_4^{20}) ..... 1,250—1,260 refractive index (n_D^{20}) ..... 1,4445—1,4455 non-volatile acid ..... 0,001 % free acid (as HCl) ..... 0,001 % R: 11-20 S: 7-16-29-33 disposal: 7	FL. FL. EKL. EKL. EKL. *2902*	1 L 2,5 L 35 kg 5x 10x	19,50 36,— kg kg kg	16,60 29,90 4,15 3,85 3,60	15,60 28,10	15,— 27,—
64491	**2,2-Dichloroethanol** PROSYNTH® *2-2-Dichloroéthanol / 2,2-Dicloroetanol* Cl_2CHCH_2OH $C_2H_4Cl_2O$ *M* = 114,96 g/mol **1 L ≈ 1,42 kg** assay (GC) ..... 97 % boiling range (at 15 mbar) ..... 48—50 °C refractive index (n_D^{20}) 1,474	FL. *2904*	5 ml	33,75	28,70	27,—	25,30

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30857 A 3/1A C 3.2 1993 2 -10 °C	**1,1-Dichloroethylene** min. 99,9% for gas chromatography *1-1-Dichloroéthylène / 1,1-Dicloroetileno* $CH_2=CCl_2$ $C_2H_2Cl_2$ $M=96{,}94$ g/mol **1 L ≈ 1,21 kg** R: 12-20-40 S: 7-16-29 disposal: 13	FL. *2902*	5 ml	49,25	41,85	39,40	36
62473 A 3/1A C 3.2 1993 2 -10 °C	**1,1-Dichloroethylene** PROSYNTH® stabilized with hydroquinone monomethyl ether (180 mg/l) *1-1-Dichloroéthylène / 1,1-Dicloroetileno* $CH_2=CCl_2$ $C_2H_2Cl_2$ $M=96{,}94$ g/mol **1 L ≈ 1,21 kg** assay (GC) ..... 99% boiling range ..... 30–32 °C refractive index (n_D^{20}) ..... 1,425 R: 12-20-40 S: 7-16-29 disposal: 13	FL. *2902*	1 L	22,—	18,70	17,60	16
65153 A 3/1A C 3.2 1150 2 +6 °C	**1,2-Dichlorethylene** PROSYNTH® mixture of *cis* and *trans* isomers *1-2-Dichloroéthylène / 1,2-Dicloroetileno* ClHC=CHCl $C_2H_2Cl_2$ $M=96{,}94$ g/mol **1 L ≈ 1,26 kg** assay (GC) ..... 96% refractive index (n_D^{20}) ..... 1,446 R: 11-20 S: 7-16-29 disposal: 13	FL. *2902*	1 L	85,50	72,70	68,40	65
30858 A 3/1A C 3.2 1150 2 +6 °C	***trans*-1,2-Dichloroethylene** min. 99,9% for gas chromatography *trans-1-2-Dichloroéthylène / trans-1,2-Dicloroetileno* ClHC=CHCl $C_2H_2Cl_2$ $M=96{,}94$ g/mol **1 L ≈ 1,26 kg** R: 11-20 S: 7-16-29 disposal: 13	FL. *2902*	5 ml	49,25	41,85	39,40	36
15429 A 3/1A C 3.2 1150 2 + 6 °C	***trans*-1,2-Dichloroethylene** *trans-1-2-Dichloroéthylène / trans-1,2-Dicloroetileno* ClHC=CHCl $C_2H_2Cl_2$ $M=96{,}94$ g/mol **1 L ≈ 1,26 kg** R: 11-20 S: 7-16-29 disposal: 13	FL. *2902*	1 L	108,—	91,80	86,40	83
64690 A 3/3 C 3.3 1993 2 +29 °C	**2,2-Dichloroethyl methyl ether** PROSYNTH® *2-2-Dichloroéthylméthyléther / 2,2-Dicloroetilmetileter* $Cl_2CHCH_2OCH_3$ $C_3H_6Cl_2O$ $M=128{,}99$ g/mol **1 L ≈ 1,23 kg** assay (GC) ..... 95% boiling range ..... 120–122 °C refractive index (n_D^{20}) ..... 1,438 R: 10-20/21/22 disposal: 7	FL. *2908*	100 ml	34,50	29,35	27,60	25
64018	**2,7-Dichlorofluorescein** PROSYNTH® *2-7-Dichlorofluorescéine / 2,7-Diclorofluoresceina* $C_{20}H_{10}Cl_2O_5$ $M=401{,}20$ g/mol	WG. WG. *2935*	† 10 g 50 g	21,— 85,—	17,85 72,25	 68,—	 63
62485 A 3/4 +77 °C	**1,6-Dichlorohexane** PROSYNTH® *1-6-Dichlorohexane / 1,6-Diclorohexano* $Cl(CH_2)_6Cl$ $C_6H_{12}Cl_2$ $M=155{,}07$ g/mol **1 L ≈ 1,06 kg** assay (GC) ..... 98% boiling range (at 20 mbar) ..... 87–90 °C refractive index (n_D^{20}) 1,458	FL. *2902*	100 ml	14,25	12,10	11,40	10,

de-Number RID/ADR GGVE/GGVS MDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	α-Dichlorohydrin see 1,3-Dichloropropanol-(2)						
	2,3-Dichloro-1-hydroxybenzene see 2,3-Dichlorophenol						
	2,4-Dichloro-1-hydroxybenzene see 2,4-Dichlorophenol						
	2,5-Dichloro-1-hydroxybenzene see 2,5-Dichlorophenol						
	2,6-Dichloro-1-hydroxybenzene see 2,6-Dichlorophenol						
	3,4-Dichloro-1-hydroxybenzene see 3,4-Dichlorophenol						
	3,5-Dichloro-1-hydroxybenzene see 3,5-Dichlorophenol						
2067	**5,7-Dichloro-8-hydroxyquinoline** *5-7-Dichloro-8-hydroxyquinoléine / 5,7-Dicloro-8-hidroxiquinolina* $Cl_2C_6H(OH)CH=CHCH=N$ $C_9H_5Cl_2NO$ $M = 214{,}05$ g/mol	PF. FTP. *2935*	1 kg 25 kg	119,—	101,15 price on request	95,20	91,65
4019	**2,3-Dichloroiodobenzene** PROSYNTH® *2-3-Dichloroiodobenzène / 2,3-Dicloroyodobenceno* $C_6H_3Cl_2J$ $M = 272{,}90$ g/mol assay (GC) ..... 98% melting range ..... 33—35 °C	FL. *2902*	10 g	26,25	22,30	21,—	19,70
4020	**2,4-Dichloroiodobenzene** PROSYNTH® *2-4-Dichloroiodobenzène / 2,4-Dicloroyodobenceno* $C_6H_3Cl_2J$ $M = 272{,}90$ g/mol assay (GC) ..... 98% boiling range ..... 260—262 °C refractive index (n_D^{20}) 1,649	FL. *2902*	10 g	23,75	20,20	19,—	17,80
4021	**2,5-Dichloroiodobenzene** PROSYNTH® *2-5-Dichloroiodobenzène / 2,5-Dicloroyodobenceno* $C_6H_3Cl_2J$ $M = 272{,}90$ g/mol 1 L ≈ 2,03 kg assay (GC) ..... 98% boiling range ..... 254—256 °C refractive index (n_D^{20}) 1,646	FL. *2902*	10 g	28,50	24,25	22,80	21,40
4023	**3,4-Dichloroiodobenzene** PROSYNTH® *3-4-Dichloroiodobenzène / 3,4-Dicloroyodobenceno* $C_6H_3Cl_2J$ $M = 272{,}90$ g/mol assay (GC) ..... 98% melting range ..... 27—29 °C	FL. *2902*	10 g	16,75	14,25	13,40	12,55
4842	**2,3-Dichloroisobutyric acid sodium salt** PROSYNTH® *Acide 2-3-dichloroisobutyrique sel sodique / Acido 2,3-dicloroisobutirico, sal sódica* $ClCH_2CCl(CH_3)COONa$ $C_4H_5Cl_2NaO_2$ $M = 178{,}98$ g/mol assay (ex Cl) 97%	WG. *2914*	10 g	31,—	26,35	24,80	23,25
	Dichloromalealdehydic acid see Mucochloric acid						
4959	**2,3-Dichloromaleic anhydride** PROSYNTH® *Anhydride dichloro-2-3-maléque / Anhídrido dicloromaléico-2,3* $OCOCCl=CClCO$ $C_4Cl_2O_3$ $M = 166{,}95$ g/mol melting range ..... 111—114 °C	WG. *2915*	100 g	34,50	29,35	27,60	25,90

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96 (16 Bo
32222 C 6.1 1593 3	**Dichloromethane** R. G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I, stabilized with (26 mg/l) *Dichlorométhane / Diclorometano* CH_2Cl_2 $M = 84{,}93$ g/mol **1 L ≈ 1,32 kg** assay ..... min. 99,8 % boiling range ..... 39,5—40,5 °C density (D_4^{20}) ..... 1,324—1,326 refractive index (n_D^{20}) ..... 1,4235—1,4245 non-volatile matter ..... max. 0,001 % water (according to Karl Fischer) ..... max. 0,01 % free acid (as HCl) ..... max. 0,001 % aluminium (Al) ..... max. 0,00005 % barium (Ba) ..... max. 0,0001 % lead (Pb) ..... max. 0,00001 % boron (B) ..... max. 0,000002 % cadmium (Cd) ..... max. 0,000005 % calcium (Ca) ..... max. 0,00005 % chromium (Cr) ..... max. 0,000002 % iron (Fe) ..... max. 0,00001 % cobalt (Co) ..... max. 0,000002 % copper (Cu) ..... max. 0,000002 % magnesium (Mg) ..... max. 0,00001 % manganese (Mn) ..... max. 0,000002 % nickel (Ni) ..... max. 0,000002 % zinc (Zn) ..... max. 0,00001 % tin (Sn) ..... max. 0,00001 % free chlorine (Cl) ..... max. 0,00002 % chloride (Cl) ..... max. 0,00005 % reaction to sulphuric acid ..... passes test formaldehyde ..... max. 0,0005 % carbon tetrachloride ..... max. 0,01 % R: 20 S: 24 disposal: 13	FL. FL. EKL. *2902*	1 L 2,5 L 45 kg	19,50 40,50 kg 5,25	16,60 33,60	15,20 31,60	14, 30,
30859 C 6.1 1593 3	**Dichloromethane** min. 99,9 % for gas chromatography, stabilized with amylen (26 mg/l) *Dichlorométhane / Diclorometano* CH_2Cl_2 $M = 84{,}93$ g/mol **1 L ≈ 1,32 kg** R: 20 S: 24 disposal: 13	FL. *2902*	5 ml	49,25	41,85	39,40	36
34908 C 6.1 1593 3	**Dichloromethane** SPECTRANAL®, stabilized with amylen (26 mg/l) *Dichlorométhane / Diclorometano* CH_2Cl_2 $M = 84{,}93$ g/mol **1 L ≈ 1,32 kg** assay (GC) ..... min. 99,8 % non-volatile matter ..... max. 0,001 % water (acc. to Karl Fischer) ..... max. 0,02 % free acid (as HCl) ..... max. 0,001 % suitability for UV spectroscopy transmittance (1 cm cell/reference:water) transmittance/wavelength (nm): suitability for IR spectroscopy ..... passes test R: 20 S: 24 disposal: 13	FL. FL. *2902*	1 L 2,5 L	38,— 83,—	32,30 68,90	30,40 64,75	29 62
34856 C 6.1 1593 3	**Dichloromethane** CHROMASOLV® for chromatography (UV-detection), stabilized with amylen (26 mg/l) *Dichlorométhane / Diclorometano* CH_2Cl_2 $M = 84{,}93$ g/mol **1 L ≈ 1,32 kg** assay (GC) ..... min. 99,8 % non-volatile matter ..... max. 0,001 % water (according to Karl Fischer) ..... max. 0,02 % free acid (as HCl) max. 0,001 % transmittance (1 cm cell; reference water) transmittance/wavelength (nm) min. 20 %/235, min. 50 %/240, min. 80 %/245, min. 98 %/from 260 R: 20 S: 24 disposal: 13	FL. *2902*	1 L	22,75	19,35	18,20	17

refer explanations

de-Number RID/ADR GGVE/GGVS MDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
1488 6.1 1593 3	**Dichloromethane** PESTANAL®, stabilized with amylen (26 mg/l) *Dichlorométhane / Diclorometano* CH_2Cl_2 $M = 84{,}93$ g/mol **1 L ≈ 1,32 kg** assay (GC) ..... min. 99,8% non-volatile matter ..... max. 0,0005% water (according to Karl Fischer) ..... max. 0,02% suitability for residue analysis: Traceable accompanying substances (GC/ECD) (column 0,5 m, glass capillary ∅ 3 mm Silicon TLC 200 on Chromosorb® 100/200) show in the retention volum zones between Pentachlorobenzene, α-HCH, Aldrin and DDT a peak of $< 5 \cdot 10^{-10}$% ≙ 5 ng/l. R: 20 S: 24 disposal: 13	FL. FL. *2902*	1 L 2,5 L	41,25 87,—	35,05 72,20	33,— 67,85	31,75 65,25
7925 6.1 1593 3	**Dichloromethane MOS** PURANAL® particle class 0, stabilized with amylene (26 mg/l) *Dichlorométhane / Diclorometano* CH_2Cl_2 $M = 84{,}93$ g/mol **1 L ≈ 1,32 kg** assay (GC) ..... min. 99,8% boiling range ..... 39,5—40,5 °C density (D_4^{20}) ..... 1,324—1,326 refractive index (n_D^{20}) ..... 1,4235—4245 non-volatile matter ..... max. 5 ppm water (according to Karl Fischer) ..... max. 100 ppm free acid (as HCl) ..... max. 10 ppm free alkali (as NH_3) ..... max. 1 ppm aluminium (Al) ..... max. 0,05 ppm antimony (Sb) ..... max. 0,01 ppm arsenic (As) ..... max. 0,01 ppm barium (Ba) ..... max. 0,1 ppm beryllium (Be) ..... max. 0,01 ppm lead (Pb) ..... max. 0,02 ppm boron (B) ..... max. 0,02 ppm cadmium (Cd) ..... max. 0,01 ppm calcium (Ca) ..... max. 0,2 ppm chromium (Cr) ..... max. 0,01 ppm iron (Fe) ..... max. 0,1 ppm gallium (Ga) ..... max. 0,02 ppm gold (Au) ..... max. 0,02 ppm indium (In) ..... max. 0,02 ppm potassium (K) ..... max. 0,1 ppm cobalt (Co) ..... max. 0,01 ppm copper (Cu) ..... max. 0,01 ppm lithium (Li) ..... max. 0,02 ppm magnesium (Mg) ..... max. 0,1 ppm manganese (Mn) ..... max. 0,01 ppm molybdenum (Mo) ..... max. 0,01 ppm sodium (Na) ..... max. 0,2 ppm nickel (Ni) ..... max. 0,01 ppm platinum (Pt) ..... max. 0,02 ppm silver (Ag) ..... max. 0,02 ppm strontium (Sr) ..... max. 0,02 ppm thallium (Tl) ..... max. 0,02 ppm titanium (Ti) ..... max. 0,01 ppm vanadium (V) ..... max. 0,01 ppm bismuth (Bi) ..... max. 0,02 ppm zinc (Zn) ..... max. 0,05 ppm tin (Sn) ..... max. 0,02 ppm zirconium (Zr) ..... max. 0,01 ppm free chlorine (Cl) ..... max. 0,2 ppm chloride (Cl) ..... max. 0,5 ppm R: 20 S: 24 disposal: 13	FL. *2902*	2,5 L	price on request		

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17953 C 6.1 1593 3	**Dichloromethane** PURANAL® stabilized with amylene (20 mg/l) *Dichlorométhane / Diclorometano* CH_2Cl_2 *M* = 84,93 g/mol — 1 L ≈ 1,32 kg assay (GC) ..... min. 99,8% boiling range ..... 39,5—40,5 °C density (D_4^{20}) ..... 1,324—1,326 refractive index (n_D^{20}) ..... 1,4235—1,4245 non-volatile matter ..... max. 5 ppm water (according to Karl Fischer) ..... max. 100 ppm free acid (as HCl) ..... max. 10 ppm free alkali (as NH_3) ..... max. 1 ppm aluminium (Al) ..... max. 0,05 ppm antimony (Sb) ..... max. 0,01 ppm arsenic (As) ..... max. 0,01 ppm barium (Ba) ..... max. 0,1 ppm beryllium (Be) ..... max. 0,01 ppm lead (Pb) ..... max. 0,02 ppm boron (B) ..... max. 0,02 ppm cadmium (Cd) ..... max. 0,01 ppm calcium (Ca) ..... max. 0,2 ppm chromium (Cr) ..... max. 0,01 ppm iron (Fe) ..... max. 0,1 ppm gallium (Ga) ..... max. 0,02 ppm gold (Au) ..... max. 0,02 ppm indium (In) ..... max. 0,02 ppm potassium (K) ..... max. 0,1 ppm cobalt (Co) ..... max. 0,01 ppm copper (Cu) ..... max. 0,01 ppm lithium (Li) ..... max. 0,02 ppm magnesium (Mg) ..... max. 0,1 ppm manganese (Mn) ..... max. 0,01 ppm molybdenum (Mo) ..... max. 0,01 ppm sodium (Na) ..... max. 0,2 ppm nickel (Ni) ..... max. 0,01 ppm platinum (Pt) ..... max. 0,02 ppm silver (Ag) ..... max. 0,02 ppm strontium (Sr) ..... max. 0,02 ppm thallium (Tl) ..... max. 0,02 ppm titanium (Ti) ..... max. 0,01 ppm vanadium (V) ..... max. 0,01 ppm bismuth (Bi) ..... max. 0,02 ppm zinc (Zn) ..... max. 0,05 ppm tin (Sn) ..... max. 0,02 ppm zirconium (Zr) ..... max. 0,01 ppm free chlorine (Cl) ..... max. 0,2 ppm chloride (Cl) ..... max. 0,5 ppm R: 20 S: 24 disposal: 13	FL. *2902*	2,5 L	price on request			
60135 C 6.1 1593 3	**Dichloromethane** PROSYNTH®, stabilized with amylene (26 mg/l) *Dichlorométhane / Diclorometano* CH_2Cl_2 *M* = 84,93 g/mol — 1 L ≈ 1,32 kg assay (GC) ..... 99,5% boiling range ..... 39—41 °C refractive index (n_D^{20}) ..... 1,424 R: 20 S: 24 disposal: 13	FL. *2902*	2,5 L	38,50	31,95	30,05	28
24233 C 6.1 1593 3	**Dichloromethane** chem. pure, stabilized with amylene (26 mg/l) *Dichlorométhane / Diclorometano* CH_2Cl_2 *M* = 84,93 g/mol — 1 L ≈ 1,32 kg assay (GC) ..... 99,8% boiling range ..... 39—42 °C density (D_4^{20}) ..... 1,322—1,325 refractive index (n_D^{20}) ..... 1,4230—1,4250 non-volatile matter ..... 0,001% water (according to Karl Fischer) ..... 0,02% free acid (as HCl) ..... 0,001% chloride (Cl) ..... 0,0001% R: 20 S: 24 disposal: 13	FL. FL. EKL. EKL. EKL. EKL. F. *2902*	1 L 2,5 L 45 kg 5x 10x 20x 250 kg	17,75 37,25 kg kg kg kg kg	15,10 30,90 4,15 3,90 3,60 3,35 3,35	14,20 29,05	13, 27,

refer explanations

ode-Number RID/ADR GGVE/GGVS IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	2,5-Dichloro-1-methylbenzene see 2,5-Dichlorotoluene						
3389 3/3 3.3 1993 2 50 °C	**1,3-Dichloro-3-methylbutane** PROSYNTH® *1-3-Dichloro-3-méthylbutane / 1,3-Dicloro-3-metilbutano* $ClCH_2CH_2C(CH_3)_2Cl$ $C_6H_{10}Cl_2$ $M = 141{,}04$ g/mol **1 L ≈ 1,08 kg** assay (GC) ..... 97% boiling range (at 40 mbar) ..... 58–60 °C refractive index (n_D^{20}) ..... 1,446 R: 10 disposal: 7	FL. *2902*	100 ml	56,–	47,60	44,80	42,–
4512 8/22 8 1760 2	**Dichloromethyl methyl ether** PROSYNTH® *Ether méthylique du dichlorométhyle / Eter diclorometilmetilico* Cl_2CHOCH_3 $C_2H_4Cl_2O$ $M = 114{,}96$ g/mol **1 L ≈ 1,29 kg** assay (GC) ..... 98% boiling range ..... 82–84 °C refractive index (n_D^{20}) 1,430	FL. *2908*	100 ml	83,50	71,–	66,80	62,65
4024	**2,4-Dichloronaphthol-(1)** PROSYNTH® *2-4-Dichloronaphtol-(1) / 2,4-Dicloronaftol-(1)* $OHC_{10}H_5Cl_2$ $C_{10}H_6Cl_2O$ $M = 213{,}06$ g/mol assay (HPLC) ..... 98% melting range ..... 104–107 °C	WG. *2902*	10 g	29,50	25,10	23,60	22,15
3390	**2,3-Dichloronaphthoquinone-(1,4)** PROSYNTH® *2-3-Dichloronaphtoquinone-(1-4) / 2,3-Dicloronaftoquinona-(1,4)* $C_6H_4COCCl=CClCO$ $C_{10}H_4Cl_2O_2$ $M = 227{,}05$ g/mol assay (ex Cl) ..... 98% melting range ..... 193–195 °C R: 20/21/22-38 S: 2-13 disposal: 7	WG. *2913*	250 g	42,25	35,90	33,80	31,70
4513 A 6.1/21F C 6.1 2811 2	**2,6-Dichloro-4-nitroaniline** PROSYNTH® *Dichloro-2-6-nitro-4-aniline / 2,6-Dicloro-4-nitroanilina* $NH_2C_6H_2Cl_2NO_2$ $C_6H_4Cl_2N_2O_2$ $M = 207{,}02$ g/mol assay (GC) ..... 97% melting range ..... 188–192 °C R: 26/27/28-33 S: 28-36/37-45 disposal: 20	WG. *2922*	250 g	36,75	31,25	29,40	27,55
5211 A 6.1/21E C 6.1 * 1661 2	**4,5-Dichloro-2-nitroaniline** PROSYNTH® *Dichloro-4-5-nitro-2-aniline / 4,5-Dicloro-2-nitroanilina* $NH_2C_6H_2Cl_2NO_2$ $C_6H_4Cl_2N_2O_2$ $M = 207{,}02$ g/mol melting range ..... 177–178 °C R: 26/27/28-33 S: 28-36/37-45 disposal: 20	WG. *2922*	25 g	price on request			
2487 A 6.1/21K C 6.1 2811 2	**2,4-Dichloronitrobenzene** PROSYNTH® *2-4-Dichloronitrobenzène / 2,4-Dicloronitrobenceno* $C_6H_3Cl_2NO_2$ $M = 192{,}00$ g/mol assay (GC) ..... 99% melting range ..... 30–33 °C R: 23/24/25-33 S: 28-37-44 disposal: 20	FL. *2903*	500 g	36,–	30,60	28,80	27,70

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	9 (18 B
63724 A 6.1/21K C 6.1 2811 2	**2,5-Dichloronitrobenzene** PROSYNTH® *2-5-Dichloronitrobenzène / 2,5-Dicloronitrobenceno* $C_6H_3Cl_2NO_2$ $M = 192{,}00$ g/mol assay (GC) ..... 99% melting range ..... 53—54 °C R: 23/24/25-33 S: 28-37-44 disposal: 20	FL. *2903*	500 g	44,25	37,60	35,40	34
35831 A 6.1/21K C 6.1 2811 2	**3,4-Dichloronitrobenzene** min. 99% PESTANAL® *3-4-Dichloronitrobenzène / 3,4-Dicloronitrobenceno* $Cl_2C_6H_3NO_2$ $C_6H_3Cl_2NO_2$ $M = 192{,}00$ g/mol R: 23/24/25-33 S: 28-37-44 disposal: 20	FL. *2903*	5 g	21,50	18,30	17,20	16
64514 A 6.1/21 B 6.1/21I C 6.1 2811 2	**3,4-Dichloronitrobenzene** PROSYNTH® *3-4-Dichloronitrobenzène / 3,4-Dicloronitrobenceno* $C_6H_3Cl_2NO_2$ $M = 192{,}00$ g/mol assay (GC) ..... 97% melting range ..... 39—42 °C R: 23/24/25-33 S: 28-37-44 disposal: 20	WG. *2903*	1 kg	54,50	46,35	43,60	4
64852 A 6.1/21I C 6.1 2811 2	**3,5-Dichloronitrobenzene** PROSYNTH® *3-5-Dichloronitrobenzène / 3,5-Dicloronitrobenceno* $C_6H_3Cl_2NO_2$ $M = 192{,}00$ g/mol assay (GC) ..... 98% melting range ..... 61—63 °C R: 23/24/25-33 S: 28-37-44 disposal: 20	WG. *2903*	25 g	29,75	25,30	23,80	2
64882 A 6.1/22 C 6.1 2811 3	**2,4-Dichloro-6-nitrophenol** PROSYNTH® *2-4-Dichloro-6-nitrophénol / 2,4-Dicloro-6-nitrofenol* $Cl_2C_6H_2(OH)NO_2$ $C_6H_3Cl_2NO_3$ $M = 208{,}00$ g/mol	WG. *2907*	25 g	26,50	22,55	21,20	1
63392 A 6.1/21L C 6.1 2811 3	**2,6-Dichloro-4-nitrophenol** PROSYNTH® *2-6-Dichloro-4-nitrophénol / 2,6-Dicloro-4-nitrofenol* $Cl_2C_6H_2(OH)NO_2$ $C_6H_3Cl_2NO_3$ $M = 208{,}00$ g/mol assay (GC) ..... 98% melting range ..... 123—125 °C (disint.) R: 23/24/25 S: 44 disposal: 20	WG. *2907*	100 g	87,50	74,40	70,—	6
61228 A 6.1/23 C 6.1 2810 2	**2,3-Dichlorooctafluorobutane** PROSYNTH® *2-3-Dichlorooctafluorobutane / 2,3-Diclorooctafluorobutano* $CF_3CClFCClFCF_3$ $C_4Cl_2F_8$ $M = 270{,}94$ g/mol **1 L ≈ 1,69 kg** assay (GC) ..... 98% boiling range ..... 62—64 °C refractive index (n_D^{20}) 1,311	FL. *2902*	25 ml	122,50	104,15	98,—	9
	Dichloro-α-oxotoluene see Dichlorobenzaldehyde						
64805 A 3/3 C 3.3 1152 2 +41 °C	**1,5-Dichloropentane** PROSYNTH® *1-5-Dichloropentane / 1,5-Dicloropentano* $Cl(CH_2)_5Cl$ $C_5H_{10}Cl_2$ $M = 141{,}04$ g/mol **1 L ≈ 1,10 kg** assay (GC) ..... 98% boiling range (at 13 mbar) ..... 63—66 °C refractive index (n_D^{20}) ..... 1,457 R: 10 disposal: 7	FL. *2902*	100 ml	46,50	39,55	37,20	3

ode-Number RID/ADR GGVE/GGVS IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
2488 6.1/13C 6.1 2020 3	**2,3-Dichlorophenol** PROSYNTH® *2-3-Dichlorophénol / 2,3-Diclorofenol* $Cl_2C_6H_3OH$ $C_6H_4Cl_2O$ $M = 163{,}00$ g/mol assay (GC) ..... 98% melting range ..... 55–57 °C R: 22-36/38 S: 26-28 disposal: 7	WG. *2907*	100 g	83,–	70,55	66,40	62,25
5811 6.1/13C 6.1 2020 3	**2,4-Dichlorophenol** min. 99% PESTANAL® *2-4-Dichlorophénol / 2,4-Diclorofenol* $Cl_2C_6H_3OH$ $C_6H_4Cl_2O$ $M = 163{,}00$ g/mol R: 22-36/38 S: 26-28 disposal: 7	FL. *2907*	1 g	19,50	16,60	15,60	14,65
62489 A 6.1/13C C 6.1 2020 3	**2,4-Dichlorophenol** PROSYNTH® *2-4-Dichlorophénol / 2,4-Diclorofenol* $Cl_2C_6H_3OH$ $C_6H_4Cl_2O$ $M = 163{,}00$ g/mol assay (GC) ..... 97% melting range ..... 40–43 °C R: 22-36/38 S: 26-28 disposal: 7	WG. *2907*	250 g	12,75	10,85	10,20	9,55
35835 A 6.1/13C C 6.1 2020 3	**2,5-Dichlorophenol** min. 99% PESTANAL® *2-5-Dichlorophénol / 2,5-Diclorofenol* $Cl_2C_6H_3OH$ $C_6H_4Cl_2O$ $M = 163{,}00$ g/mol R: 22-36/38 S: 26-28 disposal: 7	FL. *2907*	5 g	21,50	18,30	17,20	16,15
62490 A 6.1/13C C 6.1 2020 3	**2,5-Dichlorophenol** PROSYNTH® *2-5-Dichlorophénol / 2,5-Diclorofenol* $Cl_2C_6H_3OH$ $C_6H_4Cl_2O$ $M = 163{,}00$ g/mol assay (GC) ..... 98% melting range ..... 54–56 °C R: 22-36/38 S: 26-28 disposal: 7	WG. *2907*	100 g	58,50	49,75	46,80	43,90
62491 A 6.1/13C C 6.1 2020 3	**2,6-Dichlorophenol** PROSYNTH® *2-6-Dichlorophénol / 2,6-Diclorofenol* $Cl_2C_6H_3OH$ $C_6H_4Cl_2O$ $M = 163{,}00$ g/mol assay (GC) ..... 98% melting range ..... 64–66 °C R: 22-36/38 S: 26-28 disposal: 7	WG. *2907*	50 g	38,25	32,50	30,60	28,70
62492 A 6.1/13C C 6.1 2020 3	**3,4-Dichlorophenol** PROSYNTH® *3-4-Dichlorophénol / 3,4-Diclorofenol* $Cl_2C_6H_3OH$ $C_6H_4Cl_2O$ $M = 163{,}00$ g/mol assay (GC) ..... 98% melting range ..... 65–67 °C R: 22-36/38 S: 26-28 disposal: 7	WG. *2907*	50 g	54,50	46,35	43,60	40,90

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62493 A 6.1/13C C 6.1 2020 3	**3,5-Dichlorophenol** PROSYNTH® *3-5-Dichlorophénol / 3,5-Diclorofenol* $Cl_2C_6H_3OH$ $C_6H_4Cl_2O$ $M = 163{,}00$ g/mol assay (GC) ..... 98% melting range ..... 65–67 °C R: 22-36/38 S: 26-28 disposal: 7	WG. *2907*	10 g	10,75	9,15	8,60	8
33125	**2,6-Dichlorophenolindophenol sodium salt dihydrate** R. G., Reag. Ph. Eur. I *2-6-Dichlorophénolindophénol sel sodique dihydrate / 2,6-Diclorofenolindofenol sal sódica dihidrato* $C_{12}H_6Cl_2NNaO_2 \cdot 2H_2O$ $M = 326{,}11$ g/mol	WG. WG. *2926*	5 g 25 g	23,25 92,—	19,75 78,20	18,60 73,60	17 69
	Dichlorophenolsulphonphthalein see Chlorophenol red						
64892 A 6.1/61 C 6.1 2811 3	**2,3-Dichlorophenoxyacetic acid** PROSYNTH® *Acide 2-3-dichlorophénoxyacétique / Acido 2,3-diclorofenoxiacético* $Cl_2C_6H_3OCH_2COOH$ $C_8H_6Cl_2O_3$ $M = 221{,}04$ g/mol assay (alkalimetric) ..... 98% melting range ..... 170–172 °C R: 20/21/22 S: 2-13 disposal: 21	FL. *2916*	1 g	14,—	11,90	11,20	10,
64898	**2,4-Dichlorophenylacetic acid** PROSYNTH® *Acide 2-4-dichlorophénylacétique / Acido 2,4-diclorofenilacético* $Cl_2C_6H_3CH_2COOH$ $C_8H_6Cl_2O_2$ $M = 205{,}04$ g/mol assay (alkalimetric) ..... 97% melting range ..... 128–130 °C	WG. *2914*	5 g	23,25	19,75	18,60	17,
64899	**2,6-Dichlorophenylacetic acid** PROSYNTH® *Acide 2-6-dichlorophénylacétique / Acido 2,6-diclorofenilacético* $Cl_2C_6H_3CH_2COOH$ $C_8H_6Cl_2O_2$ $M = 205{,}04$ g/mol assay (alkalimetric) ..... 98% melting range ..... 158–160 °C	WG. *2914*	5 g	27,—	22,95	21,60	20,
62494 A 6.1/21 C B 6.1/25 D C 6.1 2811 2	**3,4-Dichlorophenyl *iso*-cyanate** PROSYNTH® *3-4-Dichlorophényliso-cyanate / 3,4-Diclorofeniliso-cianato* $Cl_2C_6H_3NCO$ $C_7H_3Cl_2NO$ $M = 188{,}01$ g/mol assay (GC) ..... 98% melting range ..... 41–43 °C R: 23/24/25 S: 44 disposal: 7	FL. *2930*	100 g	12,—	10,20	9,60	9,
63393	**2,5-Dichlorophenylhydrazine** PROSYNTH® *2-5-Dichlorophénylhydrazine / 2,5-Diclorofenilhidracina* $Cl_2C_6H_3NHNH_2$ $C_8H_8Cl_2N_2$ $M = 177{,}03$ g/mol assay (ex N) ..... 98% melting range ..... 99–101 °C	WG. *2929*	5 g	30,75	26,15	24,60	23,(

refer explanations

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4026	**2,5-Dichlorophenylmethylcarbinol** PROSYNTH® *2-5-Dichlorophénylméthylcarbinol / 2,5-Diclorofenilmetilcarbinol* $Cl_2C_6H_3CHOHCH_3$ $C_8H_8Cl_2O$ $M = 191,06$ g/mol assay (GC) ..... 98% melting range ..... 56–59 °C	WG. *2905*	10 g	46,25	39,30	37,—	34,70
4027	**2,6-Dichlorophenylmethylcarbinol** PROSYNTH® *2-6-Dichlorophénylméthylcarbinol / 2,6-Diclorofenilmetilcarbinol* $Cl_2C_6H_3CHOHCH_3$ $C_8H_8Cl_2O$ $M = 191,06$ g/mol assay (GC) ..... 97% melting range ..... 32–34 °C	WG. *2905*	10 g	44,50	37,85	35,60	33,40
4028	**3,4-Dichlorophenylmethylcarbinol** PROSYNTH® *3-4-Dichlorophénylméthylcarbinol / 3,4-Diclorofenilmetilcarbinol* $Cl_2C_6H_3CHOHCH_3$ $C_8H_8Cl_2O$ $M = 191,06$ g/mol **1 L ≈ 1,29 kg** assay (GC) ..... 95% boiling range (at 3 mbar) ..... 125–128 °C refractive index (n_D^{20}) 1,563	FL. *2905*	10 g	34,50	29,35	27,60	25,90
4934	**3,5-Dichlorophenylmethylsulphone** PROSYNTH® *3-5-Dichlorophénylméthylsulfone / 3,5-Diclorofenilmetilsulfón* $(Cl_2C_6H_3)SO_2(CH_3)$ $C_7H_6Cl_2O_2S$ $M = 225,09$ g/mol	WG. *2931*	250 g	31,—	26,35	24,80	23,25
4517 A 8/11A C 8 1760 2	**Dichlorophenyl phosphine** PROSYNTH® *Dichlorophénylphosphine / Diclorofenilfosfina* $C_6H_5PCl_2$ $C_6H_5Cl_2P$ $M = 178,99$ g/mol **1 L ≈ 1,32 kg** assay (GC) ..... 98% boiling range ..... 220–222 °C refractive index (n_D^{20}) ..... 1,598 R: 34 S: 26 disposal: 7	FL. *2934*	250 ml	76,—	64,60	60,80	57,—
5711 A 6.1/81A C 6.1 1615 2	**Dichlorophos (DDVP)** min. 99% PESTANAL® [0,0-Dimethyl-0-(2,2-dichlorovinyl)-phosphate] $(CH_3O)_2P(O)OCH=CCl_2$ $C_4H_7Cl_2O_4P$ $M = 220,98$ g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 23/24/25 S: 2-13-44 disposal: 7	FL. *2919*	2 g	56,50	48,05	45,20	42,40
4930	**4,5-Dichlorophthalic acid** PROSYNTH® *Acide 4-5-dichlorophtalique / Acido 4,5-dicloroftálico* $Cl_2C_6H_2(COOH)_2$ $C_8H_4Cl_2O_4$ $M = 235,02$ g/mol assay (HPLC) ..... 97% melting range ..... 195–197 °C (disint.)	WG. *2915*	100 g	22,—	18,70	17,60	16,50
5717 A 6.1/83 C 6.1 ./. 3	**Dichloroprop** min. 99% PESTANAL® [2-(2,4-Dichlorophenoxy)-propionic acid] $Cl_2C_6H_3OCH(CH_3)COOH$ $C_9H_8Cl_2O_3$ $M = 235,07$ g/mol R: 20/21/22 S: 2-13 disposal: 7	FL. *2916*	1 g	21,50	18,30	17,20	16,15

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30860 A 3/1 C 3.2 1993 2 +4 °C	**1,2-Dichloropropane** min. 99,9% for gas chromatography *Dichloro-1-2-propane / 1,2-Dicloropropano* $CH_2ClCHClCH_3$ $C_3H_6Cl_2$ $M = 112,99$ g/mol **1 L ≈ 1,16 kg** R: 11-20 S: 9-16-29-33 disposal: 7	FL. *2902*	5 ml	49,25	41,85	39,40	36
64519 A 3/1A C 3.2 1993 2 +20 °C	**1,3-Dichloropropane** PROSYNTH® *Dichloro-1-3-propane / 1,3-Dicloropropano* $Cl(CH_2)_3Cl$ $C_3H_6Cl_2$ $M = 112,99$ g/mol **1 L ≈ 1,19 kg** assay (GC) ..... 98% boiling range ..... 122—124 °C refractive index (n_D^{20}) ..... 1,448 R: 11-20 S: 9-16-29-33 disposal: 7	FL. *2902*	100 ml	51,—	43,35	40,80	38
64817 A 3/1A C 3.2 1279 2 +20 °C	**2,2-Dichloropropane** PROSYNTH® *Dichloro-2-2-propane / 2,2-Dicloropropano* $CH_3CCl_2CH_3$ $C_3H_6Cl_2$ $M = 112,99$ g/mol **1 L ≈ 1,09 kg** assay (GC) ..... 98% boiling range ..... 67—69 °C refractive index (n_D^{20}) ..... 1,415 R: 11-20 S: 9-16-29-33 disposal: 7	FL. *2902*	10 ml	51,50	43,80	41,20	38,
60136 A 6.1/12A C 6.1 2810 2	**1,3-Dichloro-2-propanol** PROSYNTH® (α-dichlorohydrin) *Dichloro-1-3-propanol-(2) / 1,3-Dicloropropanol-(2)* $ClCH_2CHOHCH_2Cl$ $C_3H_6Cl_2O$ $M = 128,99$ g/mol **1 L ≈ 1,36 kg** assay (GC) ..... 98% boiling range ..... 174—176 C refractive index (n_D^{20}) 1,483	PF. *2904*	500 ml	40,—	34,—	32,—	30,
64816 A 3/3 C 3.3 2047 2 +35 °C	**1,1-Dichloro-1-propene** PROSYNTH® *1-1-Dichloro-1-propène / 1,1-Dicloro-1-propeno* $CH_3CH = CCl_2$ $C_3H_4Cl_2$ $M = 110,97$ g/mol **1 L ≈ 1,18 kg** assay (GC) ..... 97% boiling range ..... 76—78 °C refractive index (n_D^{20}) ..... 1,445 R: 11-25 S: 16-29-33-44 disposal: 7	FL. *2902*	10 ml	31,25	26,55	25,—	23,
63394 A 3/1A C 3.2 1993 2 +10 °C	**2,3-Dichloro-1-propene** PROSYNTH® *Dichloro-2-3-propène-(1) / 2,3-Dicloropropeno-(1)* $ClCH_2CCl = CH_2$ $C_3H_4Cl_2$ $M = 110,97$ g/mol **1 L ≈ 1,21 kg** assay (GC) ..... 98% boiling range ..... 92—94 °C refractive index (n_D^{20}) ..... 1,461 keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 11-22 S: 9-16-29-33 disposal: 7	FL. *2902*	100 ml	19,75	16,80	15,80	14,

ode-Number) RID/ADR) GGVE/GGVS) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
4961 8/21 8 *2511 3	**2,3-Dichloropropionic acid** PROSYNTH® *Acide 2-3-dichloropropionique / Acido 2,3-dicloropropiónico* $ClCH_2CHClCOOH$ $C_3H_4Cl_2O_2$ $M = 142{,}97$ g/mol assay (alkalimetric) ..... 98% melting range ..... 45–47 °C R: 36/37/38 S: 26 disposal: 21	WG. *2914*	25 g	41,50	35,30	33,20	31,15
63395 A 8/21A2 C 8 1760 2	**2,2-Dichloropropionic acid sodium salt** PROSYNTH® *Acide 2-2-dichloropropionique sel sodique / Acido 2,2-dicloropropiónico sal sódica* CH_3CCl_2COONa $C_3H_3Cl_2NaO_2$ $M = 164{,}95$ g/mol boiling range (at 19 mbar) ..... 88–91 °C refractive index (n_D^{20}) ..... 1,480 R: 36/37/38 S: 26 disposal: 21	FL. *2914*	250 ml	29,50	25,10	23,60	22,15
35718 A 6.1/83 C 6.1 1615 3	**Dichloroprop-methyl ester** min. 99% PESTANAL® [2-(2,4-Dichlorophenoxy)-methyl propionate] $Cl_2C_6H_3OCH(CH_3)COOCH_3$ $C_{10}H_{10}Cl_2O_3$ $M = 249{,}09$ g/mol R: 20/21/22 S: 2-13 disposal: 7	FL. *2916*	2 g	35,75	30,40	28,60	26,80
62495	**2,6-Dichloropyridine** PROSYNTH® *2-6-Dichloropyridine / 2,6-Dicloropiridina* $N{=}CClCH{=}CHCH{=}CCl$ $C_5H_3Cl_2N$ $M = 147{,}99$ g/mol assay (GC) ..... 99% melting range ..... 85–87 °C	PF. *2935*	100 g	35,25	29,95	28,20	26,45
63814	**3,5-Dichloropyridine** PROSYNTH® *3-5-Dichloropyridine / 3,5-Dicloropiridina* $C_5H_3Cl_2N$ $M = 147{,}99$ g/mol assay (GC) ..... 97% melting range ..... 65–67 °C	WG. *2935*	25 g	14,25	12,10	11,40	10,70
63396	**2,4-Dichloropyrimidine** PROSYNTH® *2-4-Dichloropyrimidine / 2,4-Dicloropirimidina* $N{=}CClN{=}CClCH{=}CH$ $C_4H_2Cl_2N_2$ $M = 148{,}98$ g/mol assay (UV) ..... 90% melting range ..... 58–60 °C $\log c_{/259}$ (H_2O, pH 7) 3,569	FL. *2935*	1 g	35,50	30,20	28,40	26,65
63397	**4,6-Dichloropyrimidine** PROSYNTH® *4-6-Dichloropyrimidine / 4,6-Dicloropirimidina* $N{=}CHN{=}CClCH{=}CCl$ $C_4H_2Cl_2N_2$ $M = 148{,}98$ g/mol assay (ex Cl) ..... 98% melting range ..... 65–67 °C	FL. *2935*	1 g	37,25	31,65	29,80	27,95
63398	**4,7-Dichloroquinoline** PROSYNTH® *4-7-Dichloroquinoléine / 4,7-Dicloroquinolina* $ClC_6H_3N{=}CHCH{=}CCl$ $C_9H_5Cl_2N$ $M = 198{,}05$ g/mol assay (ex Cl) ..... 98% melting range ..... 79–80 °C	WG. *2935*	25 g	27,25	23,15	21,80	20,45

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	
33181	**2,6-Dichloroquinone-4-chlorimide** R. G. *2-6-Dichloroquinone-4-chlorimide / 2,6-Dicloroquinona-4-clorimida* $OC_6H_2Cl_2=NCl$ $C_6H_2Cl_3NO$ M = 210,45 g/mol assay ..... min. 98 % melting range ..... 65–67 °C iron (Fe) ..... max. 0,002 % heavy metals (as Pb) ..... max. 0,002 % sulphated ash ..... max. 0,1 % suitability for proof of phenol ..... passes test	WG. *2913*	10 g	20,25	17,20	16,20	
63399	**2,6-Dichlorostyrene** *2-6-Dichlorostyrène / 2,6-Dicloroestireno* $Cl_2C_6H_3CH=CH_2$ $C_8H_6Cl_2$ assay (GC) ..... 96 %	FL. *2902*	10 g	109,–	92,65	87,20	
63816 A 3/4	**3,4-Dichlorostyrene** PROSYNTH® stabilized with 4-*tert.*-butylpyrocatechol (0,8 g/l) *3-4-Dichlorostyrène / 3,4-Dicloroestireno* $Cl_2C_6H_3CH=CH_2$ $C_8H_6Cl_2$ M = 173,04 g/mol 1 L ≈ 1,26 kg assay (GC) ..... 97 % boiling range (at 2 mbar) ..... 61–63 °C refractive index (n_D^{20}) 1,585	FL. *2902*	5 ml	50,–	42,50	40,–	
64831	*meso*-**2,3-Dichlorosuccinic acid** PROSYNTH® *Acide meso-2-3-dichlorosuccinique / Acido meso-2,3-diclorosuccínico* HOOCCHClCHClCOOH $C_4H_4Cl_2O_4$ M = 186,98 g/mol	WG. *2915*	5 g	39,25	33,35	31,40	
61414 A 6.1/61B C 6.1 2810 2	**1,3-Dichloro-1,1,3,3-tetrafluoroacetone** PROSYNTH® *1-3-Dichloro-1-1-3-3-tétrafluoroacétone / 1,3-Dicloro-1,1,3,3-tetrafluoroacetona* $ClCF_2COCF_2Cl$ $C_3Cl_2F_4O$ M = 198,93 g/mol 1 L ≈ 1,52 kg assay (GC) ..... 98 % boiling range ..... 43–46 °C refractive index (n_D^{20}) 1,331	FL. *2913*	5 ml	25,75	21,90	20,60	
64029 A 6.1/21 C 6.1 2810 3	**2,5-Dichlorothiophene** PROSYNTH® *2-5-Dichlorothiophène / 2,5-Diclorotiofeno* $SCCl=CHCH=CCl$ $C_4H_2Cl_2S$ M = 153,03 g/mol 1 L ≈ 1,44 kg assay (GC) ..... 96 % boiling range ..... 159–162 °C refractive index (n_D^{20}) 1,562	FL. *2935*	10 ml	35,75	30,40	28,60	
64520 A 6.1/61 C 6.1 2810 3	**2,4-Dichlorotoluene** PROSYNTH® *Dichloro-2-4-toluène / 2,4-Diclorotolueno* $CH_3C_6H_3Cl_2$ $C_7H_6Cl_2$ M = 161,03 g/mol 1 L ≈ 1,25 kg assay (GC) ..... 99 % boiling range ..... 197–199 °C refractive index (n_D^{20}) 1,546	FL. *2902*	250 ml	34,25	29,10	27,40	
64030 A 3/4 +83 °C	**2,5-Dichlorotoluene** PROSYNTH® *2-5-Dichlorotoluène / 2,5-Diclorotolueno* $CH_3C_6H_3Cl_2$ $C_7H_6Cl_2$ M = 161,03 g/mol assay (GC) ..... 98 % boiling range ..... 198–200 °C refractive index (n_D^{20}) 1,546	FL. *2902*	10 ml	30,25	25,70	24,20	

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-Number /ADR VE/GGVS DG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
63	**2,6-Dichlorotoluene PROSYNTH®** *2-6-Dichlorotoluène / 2,6-Diclorotolueno* $Cl_2C_6H_3CH_3$ $C_7H_6Cl_2$ M = 161,03 g/mol 1 L ≈ 1,27 kg assay (GC) ..... 98% boiling range (at 15 mbar) ..... 73–76 °C refractive index (n_D^{20}) 1,551	FL. 2902	100 ml	28,50	24,25	22,80	21,40
64	**3,4-Dichlorotoluene PROSYNTH®** *3-4-Dichlorotoluène / 3,4-Diclorotolueno* $Cl_2C_6H_3CH_3$ $C_7H_6Cl_2$ M = 161,03 g/mol 1 L ≈ 1,25 kg assay (GC) ..... 98% boiling range (at 20 mbar) ..... 87–90 °C refractive index (n_D^{20}) 1,547	FL. 2902	100 ml	23,25	19,75	18,60	17,45
	Dichlorovinylbenzene see under Dichlorostyrene						
401 1/23 1759 2	**α,α'-Dichloro-o-xylene PROSYNTH®** *α,α'-Dichloro-o-xylène / α,α'-Dicloro-o-xileno* $C_6H_4(CH_2Cl)_2$ $C_8H_8Cl_2$ M = 175,06 g/mol assay (GC) ..... 99% melting range ..... 54–56 °C	WG. 2902	10 g	11,50	9,80	9,20	8,65
402 .1/23 1759 2	**α,α'-Dichloro-m-xylene PROSYNTH®** *α,α'-Dichloro-m-xylène / α,α'-Dicloro-m-xileno* $C_6H_4(CH_2Cl)_2$ $C_8H_8Cl_2$ M = 175,06 g/mol assay (GC) ..... 98% melting range ..... 34–36 °C	WG. 2902	10 g	34,–	28,90	27,20	25,50
403 3.1/23A 3.1 2811 2	**α,α'-Dichloro-p-xylene PROSYNTH®** *α,α'-Dichloro-p-xylène / α,α'-Dicloro-p-xileno* $C_6H_4(CH_2Cl)_2$ $C_8H_8Cl_2$ M = 175,06 g/mol assay (GC) ..... 99% melting range ..... 99–101 °C	WG. 2902	50 g	23,–	19,55	18,40	17,25
	Dicyandiamide see 1-Cyanoguanidine						
	1,4-Dicyanobenzene see Terephthalodinitrile						
	1,6-Dicyanohexane see Suberodinitrile						
5424 3/4 8 2565 3 99 °C	**Dicyclohexylamine** *Dicyclohexylamine / Diciclohexilamina* $(C_6H_{11})_2NH$ $C_{12}H_{23}N$ M = 181,32 g/mol 1 L ≈ 0,91 kg assay (GC) ..... 99% density (D_4^{20}) ..... 0,912–0,914 refractive index (n_D^{20}) ..... 1,4840–1,4860 R: 20/21/22 S: 28 disposal: 19	FL. EKL. F. 2922	1 L 25 kg 180 kg	30,75 price on request price on request	26,15	24,60	23,70
3404	**N,N-Dicyclohexylammonium nitrite PROSYNTH®** *N-N-Dicyclohexylammonium nitrite /* *N,N-Diciclohexilamonio nitrito* $\underbrace{CH_2(CH_2)_4}CHNH\underbrace{CH(CH_2)_4}CH_2 \cdot HNO_2$ $C_{12}H_{24}N_2O_2$ M = 228,33 g/mol assay ..... 97% melting range ..... 190–193 °C (disint.) R: 20/22 S: 15-41 disposal: 16	WG. 2922	50 g	21,50	18,30	17,20	16,15

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96 (16 Box
60310 A 8/35 C 8 1719 2	**Dicyclohexylcarbodiimide** PROSYNTH® *Dicyclohexylcarbodiimide / Diciclohexilcarbodiimida* $CH_2(CH_2)_4CHN=C=NCH(CH_2)_4CH_2$ $C_{13}H_{22}N_2$ $M = 206{,}33$ g/mol assay ..... 99% melting range ..... 32–35 °C R: 36/37/38 S: 26 disposal: 7	FL. FL. *2926*	100 g 500 g	17,50 72,—	14,90 61,20	14,— 57,60	13, 55,
62496	**N,N'-Dicyclohexylthiourea** PROSYNTH® *N-N'-Dicyclohexylthiourée / N,N'-Diciclohexiltiourea* $CH_2(CH_2)_4CHNHCSNHCH(CH_2)_4CH_2$ $C_{13}H_{24}N_2S$ $M = 240{,}41$ g/mol assay (ex S) ..... 97% melting range ..... 180–182 °C	WG. *2931*	100 g	32,25	27,40	25,80	24,
62497 A 3/3 C 3.3 1993 2 +32 °C	**Dicyclopentadiene** PROSYNTH® *Dicyclopentadiène / Diciclopentadieno* $C_{10}H_{12}$ $M = 132{,}20$ g/mol **1 L ≈ 0,98 kg** assay (GC) ..... 95% boiling range ..... 167–170 °C refractive index (n_D^{20}) ..... 1,512 R: 10 disposal: 6	FL. *2901*	1 L	18,50	15,75	14,80	14,
64031	**Didecylamine** PROSYNTH® *Didécylamine / Didecilamina* $[CH_3(CH_2)_9]_2NH$ $C_{20}H_{43}N$ $M = 297{,}57$ g/mol assay (ex N) ..... 94% melting range ..... 41–43 °C	WG. *2922*	10 g	25,75	21,90	20,60	19,
64032	**Didecyl ether** PROSYNTH® *Ether didécylique / Eter didecílico* $[CH_3(CH_2)_9]_2O$ $C_{20}H_{42}O$ $M = 298{,}55$ g/mol **1 L ≈ 0,82 kg** assay (GC) ..... 97% boiling range (at 20 mbar) ..... 193–196 °C refractive index (n_D^{20}) 1,442	FL. *2908*	25 ml	25,75	21,90	20,60	19,
63406	**Didecyl ketone** PROSYNTH® *Didécylcétone / Didecilcetona* $CH_3(CH_2)_9CO(CH_2)_9CH_3$ $C_{21}H_{42}O$ $M = 310{,}56$ g/mol assay (GC) ..... 98% melting range ..... 63–64 °C	WG. *2913*	10 g	26,75	22,75	21,40	20,0
	Dideuteroformaldehyde see Formaldehyde-D_2						
	Dideuterohexafluoro-2-propanol see Hexafluoro-2-propanol-D_2						
	Dideuterotetrachloroethane see Tetrachloroethane-D_2						
64035	**Didodecyl ether** PROSYNTH® *Ether didodécylique / Eter didodecílico* $[CH_3(CH_2)_{11}]_2O$ $C_{24}H_{50}O$ $M = 354{,}66$ g/mol assay (GC) ..... 97% melting range ..... 32–35 °C	WG. *2908*	25 g	25,75	21,90	20,60	19,3
35719 A 6.1/81B C 6.1 1615 3	**Dieldrin** min. 99% PESTANAL® (1,2,3,4,10-Hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-1,4-endo-5,8-exo-dimethanonaphthalene) $C_{12}H_8Cl_6O$ $M = 380{,}91$ g/mol R: 23/24/25 S: 2-13-44 disposal: 7	FL. *2909*	1 g	21,50	18,30	17,20	16,1

ode-Number RID/ADR GGVE/GGVS IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
5900	**Dienochlor** min. 99% PESTANAL® [Bis-(pentachlorocyclopentadienyl)] ÇCl=CClCCl=CClÇClÇClCCl=CClCCl=ÇCl $C_{10}Cl_{10}$ M = 474,64 g/mol	FL. *2902*	1 g	39,25	33,35	31,40	29,45
4523 3/5 3.2 1993 2 0 °C	**1,2:3,4-Diepoxybutane** PROSYNTH® *Diépoxy-1-2:3-4-butane / 1,2:3,4-Diepoxibutano* ÇCH$_2$ÇHÇHCH$_2$Ç $C_4H_6O_2$ M = 86,09 g/mol **1 L ≈ 1,12 kg** assay (GC) ..... 95% boiling range (at 33 mbar) ..... 56–58 °C refractive index (n_D^{20}) ..... 1,434 R: 11-23/24/25 S: 16-27-44 disposal: 6	FL. *2909*	10 ml	54,—	45,90	43,20	40,50
15421 8/35 8 1719 2	**Diethanolamine** pure *Diéthanolamine / Dietanolamina* $(HOCH_2CH_2)_2NH$ $C_4H_{11}NO_2$ M = 105,14 g/mol **1 L ≈ 1,10 kg** assay ..... 99% congealing point ..... 27 °C R: 36/37/38 S: 28 disposal: 19	FL. EKL. F. *2923*	1 L 35 kg 215 kg	16,— kg kg	13,60 5,35 3,80	12,80	12,30
15408 A 8/35 C 8 1719 2	**Diethanolamine** technical *Diéthanolamine / Dietanolamina* $(HOCH_2CH_2)_2NH$ $C_4H_{11}NO_2$ M = 105,14 g/mol **1 L ≈ 1,11 kg** assay (GC) ..... 65% triethanolamine (GC) ..... 34% mono-ethanolamine (GC) ..... 1% congealing point ..... 15 °C R: 36/37/38 S: 28 disposal: 19	FL. *2923*	1 L	15,75	13,40	12,60	12,15
64465 A 3/1A C 3.2 1993 2 -11 °C	**1,2-Diethoxyethane** PROSYNTH® *1-2-Diéthoxyéthane / 1,2-Dietoxietano* $CH_3CH_2OCH_2CH_2OCH_2CH_3$ $C_6H_{14}O_2$ M = 118,18 g/mol **1 L ≈ 0,85 kg** assay (GC) ..... 98% boiling range ..... 120–122 °C refractive index (n_D^{20}) ..... 1,399 R: 11 S: 9-16-33 disposal: 6	FL. *2908*	100 ml	163,—	138,55	130,40	122,25
62421 A 3/3 C 3.3 1224 2 +54 °C	**2,5-Diethoxytetrahydrofuran** PROSYNTH® *2-5-Diéthoxytétrahydrofuranne / 2,5-Dietoxitetrahidrofurano* ÇCH(OC$_2$H$_5$)CH$_2$CH$_2$ÇHOC$_2$H$_5$ $C_8H_{16}O_3$ M = 160,21 g/mol **1 L ≈ 0,97 kg** assay (GC) ..... 85% R: 10 disposal: 6	FL. *2935*	100 ml	191,—	162,35	152,80	143,25
64466 A 3/4 +76 °C	**N,N-Diethylacetamide** PROSYNTH® *N-N-Diéthylacétamide / N,N-Dietilacetamida* $CH_3CON(C_2H_5)_2$ $C_6H_{13}NO$ M = 115,17 g/mol **1 L ≈ 0,91 kg** assay (GC) ..... 97% boiling range ..... 183–186 °C refractive index (n_D^{20}) 1,438	FL. *2925*	100 ml	35,50	30,20	28,40	26,65

HYDRANAL® a new Karl Fischer reagent

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96 (16 Bo
60341	**Diethyl acetamidomalonate** PROSYNTH® *Diéthyle acétamidomalonate / Dietilo acetamidomalonato* $CH_3CONHCH(COOC_2H_5)_2$ $C_9H_{15}NO_5$ $M = 217{,}22$ g/mol assay (GC) ..... 99% melting range ..... 94–96 °C keeep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	PF. PF. *2915*	† 25 g 100 g	7,75 24,–	6,60 20,40	 19,20	 18,
64414 A 3/4 +71 °C	**Diethyl acetone dicarboxylate** PROSYNTH® *Diéthyle acétonedicarboxylate / Dietilo acetondicarboxilato* $CH_3CH_2OCOCH_2COCH_2COOCH_2CH_3$ $C_9H_{14}O_5$ $M = 202{,}21$ g/mol assay (alkalimetric) ..... 98% boiling range (at 16 mbar) ..... 135–137 °C	FL. *2916*	100 ml	54,50	46,35	43,60	40,
60342	**Diethyl acetoxymalonate** PROSYNTH® *Diéthyle acétoxymalonate / Dietilo acetoximalonato* $CH_3COOCH(COOC_2H_5)_2$ $C_9H_{14}O_6$ $M = 218{,}21$ g/mol 1 L ≈ 1,13 kg assay (GC) 96%	FL. *2915*	25 ml	71,–	60,35	56,80	53,
64231	**Diethyl acetylendicarboxylate** PROSYNTH® *Diéthyle acétylènedicarboxylate / Dietilo acetilendicarboxilato* $C_2H_5OCOC \equiv CCOOC_2H_5$ $C_8H_{10}O_4$ $M = 170{,}16$ g/mol 1 L ≈ 1,07 kg assay (GC) ..... 99% boiling range (at 15 mbar) ..... 107–110 °C refractive index (n_D^{20}) 1,443	FL. *2915*	10 ml	31,25	26,55	25,–	23,
15407 A 3/5 C 3.1 1154 2 -36 °C	**Diethylamine** *Diéthylamine / Dietilamina* $(C_2H_5)_2NH$ $C_4H_{11}N$ $M = 73{,}14$ g/mol 1 L ≈ 0,70 kg assay (GC) ..... 99% boiling range ..... 54,5–56,5 °C density (D_4^{20}) ..... 0,705–0,710 R: 11-36/37 S: 16-26-29 disposal: 19	FL. EKL. F. *2922*	500 ml 1 L 20 kg 140 kg	10,25 13,75 price on request price on request	8,70 11,70	8,20 11,–	7,9 10,6
64033 A 6.1/21 C 6.1 2811 2 +40 °C	**Diethylaminoacetonitrile** PROSYNTH® *Diéthylaminoacétonitrile / Dietilaminoacetonitrilo* $(C_2H_5)_2NCH_2CN$ $C_6H_{12}N_2$ $M = 112{,}17$ g/mol assay (GC) ..... 95% boiling range ..... 168–170 °C refractive index (n_D^{20}) ..... 1,426 R: 23/24/25 S: 44 disposal: 15	FL. *2927*	10 g	22,25	18,90	17,80	16,7
	4'-Diethylaminoazobenzene-2-carboxylic acid see Ethyl red						
	4'-Diethylaminoazobenzene-2-sulphonic acid see Ethyl orange						
63407	**4-Diethylaminobenzaldehyde** PROSYNTH® *4-Diéthylaminobenzaldéhyde / 4-Dietilaminobenzaldehido* $(C_2H_5)_2NC_6H_4CHO$ $C_{11}H_{15}NO$ $M = 177{,}25$ g/mol assay (ex N) ..... 96% melting range ..... 39–41 °C	WG. *2923*	25 g	40,75	34,65	32,60	30,55

refer explanations

de-Number RID/ADR GGVE/GGVS MDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
1034 8.1/21 8.1 2811 2	**4-Diethylaminobenzonitrile** PROSYNTH® *4-Diéthylaminobenzonitrile / 4-Dietilaminobenzonitrilo* $(C_2H_5)_2NC_6H_4CN$ $C_{11}H_{14}N_2$ $M = 174{,}25$ g/mol assay (HPLC) ..... 97% melting range ..... 65–67 °C R: 20/21/22 S: 28 disposal: 15	WG. *2927*	5 g	37,50	31,90	30,–	28,15
13158	**5-(4-Diethylaminobenzylidene)-rhodanine** R. G. *5-(4-Diéthylaminobenzylidène)-rhodanine /* *5-(4-Dietilaminobenciliden)-rodanina* $(C_2H_5)_2NC_6H_4CH = \underline{C}CONHCS\underline{S}$ $C_{14}H_{16}N_2OS_2$ $M = 292{,}42$ g/mol	FL. *3205*	1 g	11,25	9,55	9,–	8,45
	2-Diethylaminoethanol see N,N-Diethylethanolamine						
10117 8/35 3.3 1993 2 35 °C	**2-Diethylaminoethylamine** PROSYNTH® (N-N-diethylethylenediamine) *2-Diéthylaminoéthylamine / 2-Dietilaminoetilamina* $(C_2H_5)_2NCH_2CH_2NH_2$ $C_6H_{16}N_2$ $M = 116{,}21$ g/mol 1 L ≈ 0,82 kg assay (GC) ..... 99% boiling range ..... 143–145 °C refractive index (n_D^{20}) ..... 1,436 R: 10-36/37/38 S: 28 disposal: 19	FL. *2922*	250 ml	44,75	38,05	35,80	33,55
64409	**Diethylaminomalonate hydrochloride** PROSYNTH® *Diéthylaminomalonate chlorhydrate / Dietilaminomalonato clorhidrato* $H_2NCH(COOC_2H_5)_2 \cdot HCl$ $C_7H_{14}ClNO_4$ $M = 211{,}64$ g/mol assay (ex Cl) ..... 99% melting range ..... 165–170 °C (disint.)	WG. *2923*	10 g	35,–	29,75	28,–	26,25
60118	**3-Diethylaminophenol** PROSYNTH® *3-Diéthylaminophénol / 3-Dietilaminofenol* $C_6H_4(OH)N(C_2H_5)_2$ $C_{10}H_{15}NO$ $M = 165{,}23$ g/mol assay ..... 99% melting range ..... 70–72 °C	WG. *2923*	500 g	65,50	55,70	52,40	50,45
64470	**Diethylammonium chloride** PROSYNTH® *Diéthylammonium chlorhydrate / Dietilamonio cloruro* $(C_2H_5)_2NH \cdot HCl$ $C_4H_{12}ClN$ $M = 109{,}60$ g/mol assay (ex Cl) ..... 98% melting range ..... 223–226 °C keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	PF. PF. *2924*	1 kg 2,5 kg	49,25 108,–	41,85 89,65	39,40 84,25	37,90 81,–
33190	**Diethylammonium diethyldithiocarbamate** R. G. *Diéthylammonium diéthyldithiocarbamate / Dietilamonio dietilditiocarbamato* $(C_2H_5)_2NCSSNH_2(C_2H_5)_2$ $C_9H_{22}N_2S_2$ $M = 222{,}42$ g/mol	WG. *2931*	100 g	36,25	30,80	29,–	27,20

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33122 A 6.1/21P C 6.1 2432 3	**N,N-Diethylaniline** R. G. *N-N-Diéthylaniline / N,N-Dietilanilina* $C_6H_5N(C_2H_5)_2$ $C_{10}H_{15}N$ $M = 149{,}24$ g/mol **1 L ≈ 0,93 kg** assay ..... min. 99% boiling range ..... 216–218 °C density (D_4^{20}) ..... 0,933–0,936 refractive index (n_D^{20}) ..... 1,5410–1,5420 non-volatile matter ..... max. 0,01% heavy metals (as Pb) ..... max. 0,001% chloride (Cl) ..... max. 0,0005% sulphate (SO_4) ..... max. 0,0005% suitability for determination of zinc ..... passes test R: 23/24/25-33 S: 28-37-44 disposal: 19	FL. FL. *2922*	250 ml 1 L	21,75 63,50	18,50 54,–	17,40 50,80	1 4
64286	**Diethyl azodicarboxylate** PROSYNTH® *Diéthyle azodicarboxylate / Dietilo azodicarboxilato* $CH_3CH_2OCON=NCOOCH_2CH_3$ $C_6H_{10}N_2O_4$ $M = 174{,}16$ g/mol **1 L ≈ 1,11 kg** assay (GC) ..... 98% boiling range (at 17 mbar) ..... 103–105 °C refractive index (n_D^{20}) 1,421	FL. *2928*	25 ml	62,–	52,70	49,60	4
33161	**5,5-Diethylbarbituric acid** R. G., Reag. Ph. Eur. I, buffer substance *Acide 5-5-diéthylbarbiturique / Acido 5,5-dietilbarbitúrico* $(C_2H_5)_2\underline{C}CONHCONH\underline{C}O$ $C_8H_{12}N_2O_3$ $M = 184{,}19$ g/mol assay ..... min. 99% melting range ..... 189–192 °C loss on drying (105 °C) ..... max. 0,2% sulphated ash ..... max. 0,01% neutral or basic substances ..... max. 0,1% heavy metals (as Pb) ..... max. 0,001% chloride (Cl) ..... max. 0,005% sulphate (SO_4) ..... max. 0,003%	PF. *2925*	100 g	17,50	14,90	14,–	1
64471 A 3/4 C 3.3 2049 2 +56 °C	**1,2-Diethylbenzene** PROSYNTH® *Diéthyl-1-2-benzène / 1,2-Dietilbenceno* $(CH_3CH_2)_2C_6H_4$ $C_{10}H_{14}$ $M = 134{,}22$ g/mol **1 L ≈ 0,88 kg** assay (GC) ..... 95% boiling range ..... 181–183 °C refractive index (n_D^{20}) 1,503	FL. *2901*	10 ml	81,–	68,85	64,80	6
63408 A 3/4 C 3.3 2049 2 +56 °C	**1,3-Diethylbenzene** PROSYNTH® *Diéthyl-1-3-benzène / 1,3-Dietilbenceno* $C_6H_4(C_2H_5)_2$ $C_{10}H_{14}$ $M = 134{,}22$ g/mol **1 L ≈ 0,86 kg** assay (GC) ..... 99% boiling range ..... 179–181 °C refractive index (n_D^{20}) ..... 1,495 R: 10 disposal: 6	FL. *2901*	50 ml	144,–	122,40	115,20	10
64546	**Diethyl benzylidenemalonate** PROSYNTH® *Diéthyle benzylidènemalonate / Dietilo benzilidenmalonato* $C_6H_5CH=C(COOC_2H_5)_2$ $C_{14}H_{16}O_4$ $M = 248{,}28$ g/mol assay (GC) ..... 99% melting range ..... 28–30 °C	WG. *2915*	100 g	46,–	39,10	36,80	3
62134	**Diethyl benzylmalonate** PROSYNTH® *Diéthyle benzylmalonate / Dietilo bencilmalonato* $C_6H_5CH_2CH(COOC_2H_5)_2$ $C_{14}H_{18}O_4$ $M = 250{,}29$ g/mol **1 L ≈ 1,08 kg** assay (GC) ..... 97% boiling range (at 13 mbar) ..... 161–163 °C refractive index (n_D^{20}) 1,487	FL. *2915*	100 ml	78,–	66,30	62,40	5

refer explanations

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44	**Diethyl bromomalonate** PROSYNTH® *Diéthyle bromomalonate / Dietilo bromomalonato* $CHBr(COOC_2H_5)_2$ $C_7H_{11}BrO_4$ *M* = 239,07 g/mol **1 L ≈ 1,41 kg** assay (GC) ..... 90% boiling range (at 13 mbar) ..... 114–117 °C refractive index (n_D^{20}) 1,451	FL. *2915*	100 ml	45,–	38,25	36,–	33,75
192	**Diethyl *iso*-butylmalonate** PROSYNTH® *Diéthyle iso-butylmalonate / Dietilo iso-butilmalonato* $(CH_3)_2CHCH_2CH(COOC_2H_5)_2$ $C_{11}H_{20}O_4$ *M* = 216,28 g/mol **1 L ≈ 0,97 kg** assay (GC) ..... 99% boiling range (at 16 mbar) ..... 112–114 °C refractive index (n_D^{20}) 1,424	FL. *2915*	500 ml	126,50	107,55	101,20	97,40
603	**Diethyl *n*-butylmalonate** *Diéthyle n-butylmalonate / Dietilo n-butilmalonato* $CH_3(CH_2)_3CH(COOC_2H_5)_2$ $C_{11}H_{20}O_4$ *M* = 216,28 g/mol **1 L ≈ 0,98 kg** assay (GC) 98%	FL. EKL. F. *2915*	1 L 30 kg 190 kg	50,50 price on request price on request	42,95	40,40	38,90
628 *1/4* *4 °C*	**Diethyl *sec.*-butylmalonate** *Diéthyle sec.-butylmalonate / Dietilo sec.-butilmalonato* $CH_3CH_2CH(CH_3)CH(COOC_2H_5)_2$ $C_{11}H_{20}O_4$ *M* = 216,28 g/mol **1 L ≈ 0,99 kg**	FL. *2915*	1 L	73,50	62,50	58,80	56,60
2424 *3/22* *3 1760 2* *76 °C*	**N,N-Diethylcarbamoyl chloride** PROSYNTH® *N-N-Diéthylcarbamoyle chlorure / N,N-Dietilcarbamoílo cloruro* $(C_2H_5)_2NCOCl$ $C_5H_{10}ClNO$ *M* = 135,59 g/mol **1 L ≈ 1,07 kg** assay (GC) ..... 98% boiling range ..... 187–190 °C refractive index ..... 1,452 R: 36/37/38 S: 26 disposal: 7	FL. *2925*	100 ml	27,25	23,15	21,80	20,45
	Diethylcarbinol see Pentanol-3						
	Diethylcarbitol see Diethylene glycol diethyl ether						
0119 *3/3* *3.3 2366 2* *25 °C*	**Diethyl carbonate** PROSYNTH® *Diéthyle carbonate / Dietilo carbonato* $(C_2H_5O)_2CO$ $C_5H_{10}O_3$ *M* = 118,13 g/mol **1 L ≈ 0,97 kg** assay (GC) ..... 99% boiling range ..... 124–126 °C refractive index (n_D^{20}) ..... 1,385 R: 10 disposal: 6	FL. *2921*	1 L	32,75	27,85	26,20	25,20
0345	**Diethyl chloromalonate** PROSYNTH® *Diéthyle chloromalonate / Dietilo cloromalonato* $CHCl(COOC_2H_5)_2$ $C_7H_{11}ClO_4$ *M* = 194,61 g/mol **1 L ≈ 1,17 kg** assay (GC) 85–90%	FL. *2915*	100 ml	50,50	42,95	40,40	37,90
4968	**Diethyl cyclopropane-1,1-dicarboxylate** PROSYNTH® *Diéthyle cyclopropane-1-1-dicarboxylate / Dietilo ciclopropano-1,1-dicarboxilato* $CH_2CH_2C(COOC_2H_5)_2$ $C_9H_{14}O_4$ *M* = 186,21 g/mol **1 L ≈ 1,06 kg** assay (GC) ..... 97% boiling range (at 15 mbar) ..... 92–94 °C refractive index (n_D^{20}) 1,433	FL. *2915*	10 ml	40,25	34,20	32,20	30,20

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60346	**Diethyl diallylmalonate** PROSYNTH® *Diéthyle diallylmalonate / Dietilo dialilmalonato* $(C_3H_5)_2C(COOC_2H_5)_2$ $C_{13}H_{20}O_4$ $M = 240{,}30$ g/mol **1 L ≈ 0,99 kg** assay (GC) ..... 97% boiling range (at 16 mbar) ..... 127—129 °C refractive index (n_D^{20}) 1,446	FL. *2915*	250 ml	43,75	37,20	35,—	3
60495 A 8/35 C 3.3 1993 2 +52 °C	**N,N-Diethyl-1,3-diaminopropane** PROSYNTH® *N-N-Diéthyle-1-3-diaminopropane / N,N-Dietilo-1,3-diaminopropano* $(C_2H_5)_2N(CH_2)_3NH_2$ $C_7H_{18}N_2$ $M = 130{,}23$ g/mol **1 L ≈ 0,83 kg** assay (GC) ..... 99% boiling range ..... 169—172 °C refractive index (n_D^{20}) 1,437	FL. *2922*	50 ml	66,50	56,55	53,20	4
20616	**Diethyl di-*n*-butylmalonate** *Diéthyle di-n-butylmalonate / Dietilo di-n-butilmalonato* $(CH_3CH_2CH_2CH_2)_2C(COOC_2H_5)_2$ $C_{15}H_{28}O_4$ $M = 272{,}38$ g/mol **1 L ≈ 0,96 kg**	FL. F. *2915*	1 L 200 kg	76,50 price on request	65,05	61,20	5
20604	**Diethyl diethylmalonate** *Diéthyle diéthylmalonate / Dietilo dietilmalonato* $(C_2H_5)_2C(COOC_2H_5)_2$ $C_{11}H_{20}O_4$ $M = 216{,}28$ g/mol **1 L ≈ 0,99 kg** assay (GC) 95%	FL. F. *2915*	1 L 200 kg	87,50 price on request	74,40	70,—	6
65184	**Diethyl 2,5-dihydroxyterephthalate** PROSYNTH® *Diéthyle 2-5-dihydroxytéréphtalate / Dietilo 2,5-dihidroxitereftalato* $(HO)_2C_6H_2(COOCH_2CH_3)_2$ $C_{12}H_{14}O_6$ $M = 254{,}24$ g/mol assay (HPLC) ..... 98% melting range ..... 133—135 °C	PF. *2915*	100 g	46,—	39,10	36,80	3
64977	**Diethyl dimethylmalonate** PROSYNTH® *Diéthyle diméthylmalonate / Dietilo dimetilmalonato* $(CH_3)_2C(COOC_2H_5)_2$ $C_9H_{16}O_4$ $M = 188{,}22$ g/mol **1 L ≈ 1,00 kg** assay (GC) ..... 97% boiling range ..... 196—198 °C refractive index (n_D^{20}) 1,412	FL. *2915*	10 ml	38,25	32,50	30,60	2
	Diethylendioxide see Dioxan						
60120	**Diethylene glycol** PROSYNTH® *Diéthylèneglycol / Dietilenglicol* $(HOCH_2CH_2)_2O$ $C_4H_{10}O_3$ $M = 106{,}12$ g/mol **1 L ≈ 1,12 kg** assay (GC) ..... 99% boiling range ..... 243—246 °C refractive index (n_D^{20}) ..... 1,447 R: 22 S: 24 disposal: 6	PF. PF. FPF. *2908*	500 ml 2,5 L 30 kg	11,25 38,75 price on request	9,55 32,15	9,— 30,25	8 29
39603	**Diethylene glycol adipate** for gas chromatography *Diéthylèneglycol adipate / Dietilenglicol adipato* $[-O(CH_2CH_2O)_2CO(CH_2)_4CO-]_n$ $(C_{10}H_{16}O_5)_n$ $M = (216{,}23)_n$ g/mol working temperature ..... to 200 °C	FL. *2915*	25 g	49,50	42,10	39,60	37
39604	**Diethylene glycol adipate** crosslinked for gas chromatography *Diéthylèneglycol adipate / Dietilenglicol adipato* working temperature ..... to 200 °C	WG. *2915*	25 g	49,50	42,10	39,60	37

le-Number ID/ADR GVE/GGVS MDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
440	**Diethylene glycol-*n*-butyl-*tert.*-butyl ether** *Ether n-butyl-tert.-butylique du diéthylèneglycol / Eter n-butil-terc.-butílico del dietilenglicol* $C_4H_9OCH_2CH_2OCH_2CH_2OC(CH_3)_3$ $C_{12}H_{26}O_3$ *M* = 218,34 g/mol **1 L ≈ 0,88 kg** assay 95%	FL. *2908*	500 ml	41,50	35,30	33,20	31,95
472 °C	**Diethylene glycol dibutyl ether** PROSYNTH® *Ether dibutylique du diéthylèneglycol / Eter dibutílico del dietilenglicol* $(CH_3CH_2CH_2CH_2OCH_2CH_2)_2O$ $C_{12}H_{26}O_3$ *M* = 218,34 g/mol **1 L ≈ 0,88 kg** assay (GC) ..... 98% boiling range ..... 125—130 °C refractive index (n_D^{20}) 1,423	FL. *2908*	250 ml	32,75	27,85	26,20	24,55
2425 3/4 67 °C	**Diethylene glycol diethyl ether** PROSYNTH® *Ether diéthylique du diéthylèneglycol / Eter dietílico del dietilenglicol* $(C_2H_5OCH_2CH_2)_2O$ $C_8H_{18}O_3$ *M* = 162,23 g/mol **1 L ≈ 0,91 kg** assay (GC) ..... 99% boiling range ..... 188—190 °C refractive index (n_D^{20}) 1,412	FL. *2908*	1 L	46,—	39,10	36,80	35,40
2426 3/3 3.3 1993 2 53 °C	**Diethylene glycol dimethyl ether** PROSYNTH® *Ether diméthylique du diéthylèneglycol / Eter dimetílico del dietilenglicol* $(CH_3OCH_2CH_2)_2O$ $C_6H_{14}O_3$ *M* = 134,11 g/mol **1 L ≈ 0,94 kg** assay (GC) ..... 99% boiling range ..... 161—163 °C refractive index (n_D^{20}) ..... 1,408 R: 10 disposal: 6	FL. *2908*	1 L	77,50	65,90	62,—	59,70
60439 3/4 -92 °C	**Diethylene glycol ethyl-*tert.*-butyl ether** PROSYNTH® *Ether éthyl-tert.-butylique du diéthylèneglycol / Eter etil-terc.-butílico del dietilenglicol* $C_2H_5OCH_2CH_2OCH_2CH_2OC(CH_3)_3$ $C_{10}H_{22}O_3$ *M* = 190,28 g/mol **1 L ≈ 0,89 kg** assay ..... 98% boiling range ..... 195—205 °C refractive index (n_D^{20}) 1,416	FL. *2908*	500 ml	44,25	37,60	35,40	34,05
60438 3/4	**Diethylene glycol methyl-*tert.*-butyl ether** PROSYNTH® *Ether méthyl-tert.-butylique du diéthylèneglycol / Eter metil-terc.-butílico del dietilenglicol* $CH_3OCH_2CH_2OCH_2CH_2OC(CH_3)_3$ $C_9H_{20}O_3$ *M* = 176,26 g/mol **1 L ≈ 0,91 kg** assay (GC) ..... 98% boiling range ..... 185—195 °C refractive index (n_D^{20}) 1,415	FL. *2908*	500 ml	44,25	37,60	35,40	34,05
32428	**Diethylene glycol monobutyl ether** PROSYNTH® *Ether monobutylique du diéthylèneglycol / Eter monobutílico del dietilenglicol* $CH_3(CH_2)_3OCH_2CH_2OCH_2CH_2OH$ $C_8H_{18}O_3$ *M* = 162,23 g/mol **1 L ≈ 0,95 kg** assay (GC) ..... 99% boiling range ..... 227—230 °C refractive index (n_D^{20}) 1,432	FL. *2908*	1 L	18,75	15,95	15,—	14,45

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
62427 A 3/4 +90 °C	**Diethylene glycol monoethyl ether** PROSYNTH® *Ether monoéthylique du diéthylèneglycol / Eter monoetílico del dietilenglicol* $C_2H_5OCH_2CH_2OCH_2CH_2OH$ $C_6H_{14}O_3$ $M = 134{,}17$ g/mol **1 L ≈ 0,99 kg** assay (GC) ..... 98 % boiling range ..... 194—196 °C refractive index (n_D^{20}) 1,427	FL. *2908*	1 L	13,75	11,70	11,—	10,6
62429 A 3/4 +90 °C	**Diethylene glycol monomethyl ether** PROSYNTH® *Ether monométhylique du diéthylèneglycol / Eter monometílico del dietilenglicol* $CH_3OCH_2CH_2OCH_2CH_2OH$ $C_5H_{12}O_3$ $M = 120{,}15$ g/mol **1 L ≈ 1,02 kg** assay (GC) ..... 99 % boiling range ..... 192—194 °C refractive index (n_D^{20}) 1,426	FL. *2908*	1 L	17,50	14,90	14,—	13,5
39614	**Diethylene glycol succinate** for gas chromatography *Diéthylèneglycol succinate / Dietilenglicol succinato* $[-O(CH_2CH_2O)_2COCH_2CH_2CO-]_n$ $(C_8H_{12}O_5)_n$ $M = (188{,}18)_n$ g/mol working temperature ..... to 200 °C	FL. *2915*	25 g	50,50	42,95	40,40	37,9
15918 A 8/35 C 8 2079 2	**Diethylenetriamine** *Diéthylènetriamine / Dietilentriamina* $(NH_2CH_2CH_2)_2NH$ $C_4H_{13}N_3$ $M = 103{,}17$ g/mol **1 L ≈ 0,96 kg** boiling range ..... 200—212 °C R: 34 S: 26 disposal: 19	FL. STP. F. *2922*	1 L 50 kg 200 kg	26,25 price on request price on request	22,30	21,—	20,2
64037	**Diethylenetriaminepentaacetic acid** PROSYNTH® *Acide diéthylènetriamino-pentaacétique / Acido dietilenotriamino-pentaacético* $[(HOOCCH_2)_2NCH_2CH_2]_2NCH_2COOH$ $C_{14}H_{23}N_3O_{10}$ $M = 393{,}35$ g/mol assay ..... 99 % melting range ..... 219—221 °C (disint.)	WG. *2923*	100 g	17,25	14,65	13,80	12,9
	Diethylenetriaminepentaacetic acid see also IDRANAL® V						
64038	**Diethylenetriaminepentaacetic acid pentasodium salt** PROSYNTH® 33% solution in water *Acide diéthylènetriamino-pentaacétique sel pentasodique / Acido dietilenotriamino-pentaacético sal pentasódica* $[(NaOOCCH_2)_2NCH_2CH_2]_2NCH_2COONa$ $C_{14}H_{18}N_3Na_5O_{10}$ $M = 503{,}26$ g/mol	FL. *2923*	500 ml	25,75	21,90	20,60	19,8
15417 A 8/35 C 3.3 2686 3 +50 °C	**N,N-Diethylethanolamine** *N-N-Diéthyléthanolamine / N,N-Dietiletanolamina* $(C_2H_5)_2NCH_2CH_2OH$ $C_6H_{15}NO$ $M = 117{,}19$ g/mol **1 L ≈ 0,88 kg** assay ..... 99,5 % boiling range ..... 161—162 °C density (D_4^{20}) ..... 0,882—0,884 refractive index (n_D^{20}) ..... 1,4405—1,4415 R: 36/37/38 S: 28 disposal: 19	FL. FL. EKL. F. *2923*	1 L 2,5 L 25 kg 180 kg	22,25 47,25 price on request price on request	18,90 39,20	17,80 36,85	17,15 35,45

refer explanations

Code-Number RID/ADR GGVE/GGVS IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
*2203 3/1A 3.1 1155 1 0°C	**Diethyl ether** R. G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I, stabilized with 2,6-Di-*tert.*-butyl-4-methylphenol (5 mg/l) *Ether diéthylique / Eter dietílico* $(C_2H_5)_2O$ $C_4H_{10}O$ $M = 74{,}12$ g/mol **1 L ≈ 0,71 kg** assay (GC) ..... min. 99,5% boiling range ..... 34–35 °C density (D_4^{20}) ..... 0,713–0,714 non-volatile matter ..... max. 0,001% water (according to Karl Fischer) ..... max. 0,2% free acid (as CH_3COOH) ..... max. 0,0002% aluminium (Al) ..... max. 0,00005% barium (Ba) ..... max. 0,00001% lead (Pb) ..... max. 0,000005% boron (B) ..... max. 0,000002% cadmium (Cd) ..... max. 0,000005% calcium (Ca) ..... max. 0,00005% chromium (Cr) ..... max. 0,000002% iron (Fe) ..... max. 0,000005% cobalt (Co) ..... max. 0,000002% copper (Cu) ..... max. 0,000005% magnesium (Mg) ..... max. 0,00001% manganese (Mn) ..... max. 0,000002% nickel (Ni) ..... max. 0,000002% zinc (Zn) ..... max. 0,000005% tin (Sn) ..... max. 0,00001% acetone ..... max. 0,005% aldehydes (as HCHO) ..... max. 0,00007% carbonyl compounds (as O) ..... max. 0,001 ethanol ..... max. 0,02% methanol ..... max. 0,02% peroxides (as H_2O_2) ..... max. 0,00003% sulphur compounds (as S) ..... max. 0,00006% reaction to sulphuric acid ..... passes test R: 12-19 S: 9-16-29-33 disposal: 5	FL. FL. ALU. KA. *2908*	1 L 2,5 L 5 L 25 kg	31,75 68,50 133,— kg	27,— 56,85 110,40 19,50	24,75 53,45 103,75	23,50 51,40 99,75
*34942 A 3/1A C 3.1 1155 1 -40 °C	**Diethyl ether** R. G., Reag. ACS dried (max. 0,01% H_2O) stabilized with 2,6-di-*tert.*-butyl-4-methylphenol (5 mg/l) *Ether diéthylique / Eter dietílico* $(C_2H_5)_2O$ $C_4H_{10}O$ $M = 74{,}12$ g/mol **1 L ≈ 0,71 kg** assay (GC) ..... min. 99,5% boiling range ..... 34–35 °C density (D_4^{20}) ..... 0,713–0,714 non-volatile matter ..... max. 0,001% water (according to Karl Fischer) ..... max. 0,01% free acid (as CH_3COOH) ..... max. 0,001% aluminium (Al) ..... max. 0,00005% barium (Ba) ..... max. 0,00001% lead (Pb) ..... max. 0,000005% boron (B) ..... max. 0,000002% cadmium (Cd) ..... max. 0,000005% calcium (Ca) ..... max. 0,00005% chromium (Cr) ..... max. 0,000002% iron (Fe) ..... max. 0,000005% cobalt (Co) ..... max. 0,000002% copper (Cu) ..... max. 0,000002% magnesium (Mg) ..... max. 0,00001% manganese (Mn) ..... max. 0,000002% nickel (Ni) ..... max. 0,000002% zinc (Zi) ..... max. 0,000005% tin (Sn) ..... max. 0,00001% aldehyde (as HCHO) ..... max. 0,00007% carbonyl compounds (as CO) ..... max. 0,001% reaction to sulphuric acid ..... passes test sulphur compounds (as S) ..... max. 0,00006% acetone (GC) ..... max. 0,005% ethanol (GC) ..... max. 0,02% methanol (GC) ..... max. 0,02% peroxides (as H_2O_2) ..... max. 0,00003% R: 12-19 S: 9-16-29-33 disposal: 5	FL. *2908*	1 L	38,75	32,95	31,—	29,85

PANPEHA® universal indicator paper in strips

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	(16
34924 A 3/1A C 3.1 1155 1 -40 °C	**Diethyl ether** SPECTRANAL® stabilized with 2,6-Di-*tert.*-butyl-4-methylphenol (5 mg/l) *Ether diéthylique / Eter dietílico* $(C_2H_5)_2O$ $C_4H_{10}O$ *M* = 74,12 g/mol **1 L ≈ 0,71 kg** assay (GC) ..... min. 99,7 % non-volatile matter ..... max. 0,0005 % water (according to Karl Fischer) ..... max. 0,1 % peroxides (as H_2O_2) ..... max. 0,00003 % suitability for UV-spectroscopy transmittance (1 cm cell; reference water) transmittance/wavelength (nm): min. 20 %/210, min. 45 %/230, min. 75 %/250, min. 90 %/290, min. 98 %/from 310 suitability for IR spectroscopy ..... passes test R: 12-19 S: 9-16-29-33 disposal: 5	FL. FL. *2908*	500 ml 1 L	24,— 40,50	20,40 34,45	19,20 32,40	1 3
34868 A 3/1A C 3.1 1155 1 -40 °C	**Diethyl ether** CHROMASOLV® for chromatography (UV-detection) stabilized with 2,6-Di-*tert.*-butyl-4-methylphenol (5 mg/l) *Ether diéthylique / Eter dietílico* $(C_2H_5)_2O$ $C_4H_{10}O$ *M* = 74,12 g/mol **1 L ≈ 0,71 kg** assay (GC) ..... min. 99,7 % non-volatile matter ..... max. 0,0005 % water (according to Karl Fischer) ..... max. 0,1 % peroxides (as H_2O_2) ..... max. 0,00003 % transmittance (1 cm cell; reference water) transmittance/wavelength (nm) min. 20 %/220, min. 50 %/235, min. 80 %/260, min. 98 %/from 320 R: 12-19 S: 9-16-29-33 disposal: 5	FL. *2908*	1 L	38,75	32,95	31,—	2
34483 A 3/1A C 3.1 1155 1 -40 °C	**Diethyl ether** PESTANAL®, not stabilized *Ether diéthylique / Eter dietílico* $(C_2H_5)_2O$ $C_4H_{10}O$ *M* = 74,12 g/mol **1 L ≈ 0,71 kg** suitability for residue analysis: Traceable accompanying substances (GC/ECD) (column 0,5 m, glass capillary Ø 3 mm Silicon TLC 200 on Chromosorb® 100/200) show in the retention volum zones between Pentachlorobenzene, α-HCH, Aldrin and DDT a peak of $< 5 \cdot 10^{-10}$ % ≙ 5 ng/l. R: 12-19 S: 9-16-29-33 disposal: 5	FL. FL. *2908*	1 L 2 L	49,75 95,—	42,30 80,75	39,80 76,—	38 73
34495 A 3/1A C 3.1 1155 1 -40 °C	**Diethyl ether** PESTANAL® stabilized with 2,6-Di-*tert.*-butyl-4-methylphenol (5 mg/l) *Ether diéthylique / Eter dietílico* $(C_2H_5)_2O$ $C_4H_{10}O$ *M* = 74,12 g/mol **1 L ≈ 0,71 kg** suitability for residue analysis: Traceable accompanying substances (GC/ECD) (column 0,5 m, glass capillary Ø 3 mm Silicon TLC 200 on Chromosorb® 100/200) show in the retention volum zones between Pentachlorobenzene, α-HCH, Aldrin and DDT a peak of $< 5 \cdot 10^{-10}$ % ≙ 5 ng/l. R: 12-19 S: 9-16-29-33 disposal: 5	FL. FL. *2908*	1 L 2 L	36,75 65,50	31,25 55,70	29,40 52,40	28 50

refer explanations

e-Number / D/ADR / GVE/GGVS / DG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
05 1A 1155 1 C	**Diethyl ether** chem. pure (max. 0,2% H_2O), stabilized with 2,6-di-*tert.*-butyl-4-methylphenol (5 mg/l) *Ether diéthylique / Eter dietílico* $(C_2H_5)_2O$ $C_4H_{10}O$ $M = 74,12$ g/mol **1 L ≈ 0,71 kg** assay (GC) ..... 99,5% boiling range ..... 34–35 °C density (D_4^{20}) ..... 0,713–0,714 non-volatile matter ..... 0,001% water (according to Karl Fischer) ..... 0,1% free acid (as CH_3COOH) ..... 0,0005% acetone ..... 0,005% aldehydes (as HCHO) ..... 0,0001% peroxides (as H_2O_2) ..... 0,00005% R: 12-19 S: 9-16-29-33 disposal: 5	FL. FL. ALU. KA. KA. KA. 2908	1 L 2,5 L 5 L 25 kg 5x 10x	24,75 52,50 105,– kg kg kg	21,05 43,60 87,15 11,50 11,– 10,50	19,80 40,95 81,90	19,05 39,40 78,75
004 1A 1 1155 1 °C	**Diethyl ether** DAB 7, B.P. 1973, U.S.P. XIX, stabilized with 2,6-di-*tert.*-butyl-4-methylphenol (5 mg/l) *Ether diéthylique / Eter dietílico* $(C_2H_5)_2O$ $C_4H_{10}O$ $M = 74,12$ g/mol **1 L ≈ 0,71 kg** assay (GC) ..... 99% boiling range ..... 34–35 °C density (D_4^{20}) ..... 0,713–0,714 non-volatile matter ..... 0,001% water (according to Karl Fischer) ..... 0,1% peroxides (as H_2O_2) ..... 0,0002% R: 12-19 S: 9-16-29-33 disposal: 5	FL. FL. ALU. KA. KA. KA. EF. F. 2908	1 L 2,5 L 5 L 25 kg 5x 10x 140 kg 140 kg	22,25 47,– 94,– kg kg kg price on request kg	18,90 39,– 78,– 11,– 10,50 10,– 8,70	17,35 36,65 73,30	16,45 35,25 70,50
043 /1A 1 1155 1 °C	**Diethyl ether-d_{10}** deuteration degree not less than 99 atom % D *Ether diéthylique-d_{10} / Eter dietílico-d_{10}* $(C_2D_5)_2O$ $C_4D_{10}O$ $M = 84,04$ g/mol **1 L ≈ 0,82 kg** R: 12-19 S: 9-16-29-33 disposal: 5	A. 2851	5 ml	535,–	454,75	428,–	401,25
343	**Diethyl ethoxymethylenemalonate** PROSYNTH® *Diéthyle éthoxyméthylènemalonate / Dietilo etoximetilenmalonato* $C_2H_5OCH=C(COOC_2H_5)_2$ $C_{10}H_{16}O_5$ $M = 216,23$ g/mol **1 L ≈ 1,08 kg** assay (GC) ..... 98% refractive index (n_D^{20}) 1,460	FL. 2915	500 ml	121,–	102,85	96,80	93,15
	N,N-Diethylethylenediamine see 2-Diethylaminoethylamine						
426	**Diethyl fluoromalonate** PROSYNTH® *Diéthyle fluoromalonate / Dietilo fluoromalonato* $FCH(COOC_2H_5)_2$ $C_7H_{11}FO_4$ $M = 178,16$ g/mol **1 L ≈ 1,15 kg** assay (GC) ..... 97% boiling range (at 40 mbar) ..... 120–122 °C refractive index (n_D^{20}) 1,408	FL. 2915	1 ml	109,–	92,65	87,20	81,75
430 3/4 38 °C	**N,N-Diethylformamide** PROSYNTH® *N-N-Diéthylformamide / N,N-Dietilformamida* $HCON(C_2H_5)_2$ $C_5H_{11}NO$ $M = 101,15$ g/mol **1 L ≈ 0,91 kg** assay (GC) ..... 99% boiling range ..... 176–178 °C refractive index (n_D^{20}) 1,426	FL. 2925	100 ml	34,–	28,90	27,20	25,50

PEHANAL® universal indicator paper in rolls

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	9 (16 B
65009	**Diethyl formaminomalonate** PROSYNTH® *Diéthyle formaminomalonate / Dietilo formaminomalonato* $HCONHCH(COOC_2H_5)_2$ $C_8H_{13}NO_5$ $M = 203{,}19$ g/mol assay (GC) ..... 97% melting range ..... 48–50 °C	WG. *2923*	5 g	28,25	24,–	22,60	21
60169	**Diethyl fumarate** PROSYNTH® *Diéthyle fumarate / Dietilo fumarato* $C_2H_5OCOCH=CHCOOC_2H_5$ $C_8H_{12}O_4$ $M = 172{,}18$ g/mol **1 L ≈ 1,05 kg** assay (GC) ..... 99% boiling range (at 19 mbar) ..... 98–100 °C refractive index (n_D^{20}) 1,440	FL. *2915*	500 ml	39,25	33,35	31,40	30
62623	**Diethyl glutarate** PROSYNTH® *Diéthyle glutarate / Dietilo glutarato* $C_2H_5OCO(CH_2)_3COOC_2H_5$ $C_9H_{16}O_4$ $M = 188{,}22$ g/mol **1 L ≈ 1,02 kg** assay (GC) ..... 99% boiling range ..... 235–237 °C refractive index (n_D^{20}) 1,424	FL. *2915*	100 ml	38,25	32,50	30,60	28
60327	**1,1-Diethylguanidine hydrochloride** PROSYNTH® *1-1-Diéthylguanidine chlorhydrate / 1,1-Dietilguanidina clorhidrato* $(C_2H_5)_2NC(NH_2)NH \cdot HCl$ $C_5H_{14}ClN_3$ $M = 151{,}64$ g/mol assay (ex Cl) ..... 99% melting range ..... 146–148 °C	WG. *2926*	100 g	47,50	40,40	38,–	35
	Diethyl heptanedioate see Diethyl pimelate						
30815 A 3/1A C 3.2 1156 2 +13 °C	**Diethyl ketone** min. 99,9% for gas chromatography *Diéthylcétone / Dietilcetona* $C_2H_5COC_2H_5$ $C_5H_{10}O$ $M = 86{,}13$ g/mol **1 L ≈ 0,82 kg** R: 11 S: 9-16-33 disposal: 6	FL. *2913*	5 ml	49,25	41,85	39,40	36
62431 A 3/1A C 3.2 1224 +13 °C	**Diethyl ketone** PROSYNTH® *Diéthylcétone / Dietilcetona* $CH_3CH_2COCH_2CH_3$ $C_5H_{10}O$ $M = 86{,}13$ g/mol **1 L ≈ 0,82 kg** assay (GC) ..... 99% boiling range ..... 100–102 °C refractive index (n_D^{20}) ..... 1,392 R: 11 S: 9-16-33 disposal: 6	FL. *2913*	1 L	46,–	39,10	36,80	35
62731 A 3/4 +93 °C	**Diethyl maleate** PROSYNTH® *Diéthyle maléate / Dietilo maleato* $C_2H_5OCOCH=CHCOOC_2H_5$ $C_8H_{12}O_4$ $M = 172{,}18$ g/mol **1 L ≈ 1,07 kg** assay (GC) ..... 93% boiling range ..... 221–223 °C refractive index (n_D^{20}) 1,441	FL. *2915*	1 L	57,50	48,90	46,–	44
20608 A 3/4 +88 °C	**Diethyl malonate** *Diéthyle malonate / Dietilo malonato* $CH_2(COOC_2H_5)_2$ $C_7H_{12}O_4$ $M = 160{,}17$ g/mol **1 L ≈ 1,06 kg** assay (GC) 99%	FL. FL. EKL. F. *2915*	500 ml 1 L 30 kg 200 kg	19,75 36,25	16,80 30,80 price on request price on request	15,80 29,–	15 27

refer explanations

ode-Number RID/ADR GGVE/GGVS IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
1506	**Diethylmalonic acid** PROSYNTH® *Acide diéthylmalonique / Acido dietilmalónico* $(CH_3CH_2)_2C(COOH)_2$ $C_7H_{12}O_4$ $M = 160{,}17$ g/mol assay (alkalimetric) ..... 95% melting range ..... 117–120 °C	WG. *2915*	100 g	34,–	28,90	27,20	25,50
0223 3/4 82 °C	**Diethyl methylmalonate** PROSYNTH® *Diéthyle méthylmalonate / Dietilo metilmalonato* $CH_3CH(COOC_2H_5)_2$ $C_8H_{14}O_4$ $M = 174{,}20$ g/mol **1 L ≈ 1,02 kg** assay (GC) ..... 99% boiling range ..... 199–201 °C refractive index (n_D^{20}) 1,413	FL. *2915*	500 ml	163,–	138,55	130,40	125,50
0240	**Diethyl oxalacetate, sodium derivative** PROSYNTH® *Diéthyle oxalacétate, dérivé de sodium / Dietilo oxalacetato, derivado de sodio* $C_2H_5OOCC(ONa)=CHCOOC_2H_5$ $C_8H_{11}NaO_5$ $M = 210{,}16$ g/mol assay 99%	PF. PF. *2915*	500 g 2,5 kg	74,– 295,–	62,90 244,85	59,20 230,10	57,– 221,25
0242 3/4 6.1 2525 3 -78 °C	**Diethyl oxalate** PROSYNTH® *Diéthyle oxalate / Dietilo oxalato* $C_2H_5OOCCOOC_2H_5$ $C_6H_{10}O_4$ $M = 146{,}14$ g/mol **1 L ≈ 1,08 kg** assay (GC) ..... 99% boiling range ..... 184–186 °C refractive index (n_D^{20}) 1,410	FL. FL. *2915*	500 ml 2,5 L	16,25 61,50	13,80 51,05	13,– 47,95	12,50 46,15
60191	**Diethyl *iso*-pentylmalonate** PROSYNTH® *Diéthyle iso-pentylmalonate / Dietilo iso-pentilmalonato* $(CH_3)_2CHCH_2CH_2CH(COOC_2H_5)_2$ $C_{12}H_{22}O_4$ $M = 230{,}30$ g/mol **1 L ≈ 0,96 kg** assay (GC) ..... 98% boiling range ..... 248–251 °C refractive index (n_D^{20}) 1,426	FL. *2915*	500 ml	166,–	141,10	132,80	127,80
60349	**Diethyl *n*-pentylmalonate** PROSYNTH® *Diéthyle n-pentylmalonate / Dietilo n-pentilmalonato* $CH_3(CH_2)_4CH(COOC_2H_5)_2$ $C_{12}H_{22}O_4$ $M = 230{,}30$ g/mol **1 L ≈ 0,96 kg** assay (GC) ..... 98% boiling range (at 19 mbar) ..... 134–136 °C refractive index (n_D^{20}) 1,425	FL. *2915*	100 ml	76,50	65,05	61,20	57,40
	N,N-Diethyl-p-phenylenediaminosulphate see N-Ethyl-N-(2-hydroxyethyl)-p-phenylendiamine sulphate						
60350	**Diethyl phenylmalonate** PROSYNTH® *Diéthyle phénylmalonate / Dietilo fenilmalonato* $C_6H_5CH(COOC_2H_5)_2$ $C_{13}H_{16}O_4$ $M = 236{,}27$ g/mol **1 L ≈ 1,10 kg** assay (GC) ..... 98% boiling range (at 13 mbar) ..... 157–159 °C refractive index (n_D^{20}) 1,497	FL. *2915*	500 ml	43,75	37,20	35,–	33,70
62988 3/4 +92 °C	**Diethyl phosphite** PROSYNTH® *Diéthyle phosphite / Dietilo fosfito* $(C_2H_5O)_2POH$ $C_4H_{11}O_3P$ $M = 138{,}10$ g/mol **1 L ≈ 1,07 kg** assay (GC) ..... 98% boiling range (at 2,7 mbar) ..... 49–51 °C refractive index (n_D^{20}) 1,407	FL. *2921*	500 ml	27,75	23,60	22,20	21,35

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27740 117 °C	**Diethyl phthalate** *Diéthyle phtalate / Dietilo ftalato* $C_6H_4(COOC_2H_5)_2$ $C_{12}H_{14}O_4$ $M = 222{,}24$ g/mol **1 L ≈ 1,11 kg** assay (GC) ..... 99 % boiling range (at 27 mbar) ..... 175–179 °C density (D_4^{20}) ..... 1,117–1,118 refractive index (n_D^{20}) ..... 1,5021–1,5025 water (according to Karl Fischer) ..... 0,05 % free acid [as $C_6H_4(COOH)_2$] ..... 0,01 %	FL. EKL. *2915*	1 L 35 kg	28,25	24,–	22,60	21,
62998	**Diethyl pimelate** PROSYNTH® *Diéthyle pimélate / Dietilo pimelato* $C_2H_5OCO(CH_2)_5COOC_2H_5$ $C_{11}H_{20}O_4$ $M = 216{,}28$ g/mol **1 L ≈ 0,98 kg** assay (GC) ..... 98 % boiling range (at 20 mbar) ..... 139–141 °C refractive index (n_D^{20}) 1,429	FL. *2915*	25 ml	23,–	19,55	18,40	17,
64039	**2,2-Diethylpropanediol-(1,3)** PROSYNTH® *2-2-Diéthylpropanediol-(1-3) / 2,2-Dietilpropanodiol-(1,3)* $(C_2H_5)_2C(CH_2OH)_2$ $C_7H_{16}O_2$ $M = 132{,}20$ g/mol assay (GC) ..... 98 % melting range ..... 59–61 °C	WG. *2904*	250 g	109,–	92,65	87,20	81,
60347 A 3/4 +89 °C	**Diethyl *iso*-propylmalonate** PROSYNTH® *Diéthyle iso-propylmalonate / Dietilo iso-propilmalonato* $(CH_3)_2CHCH(COOC_2H_5)_2$ $C_{10}H_{18}O_4$ $M = 202{,}25$ g/mol **1 L ≈ 0,99 kg** assay (GC) ..... 98 % boiling range (at 16 mbar) ..... 102–104 °C refractive index (n_D^{20}) 1,420	FL. *2915*	250 ml	37,50	31,90	30,–	28,
20620 A 3/4 +89 °C	**Diethyl *iso*-propylmalonate** *Diéthyle iso-propylmalonate / Dietilo iso-propilmalonato* $(CH_3)_2CHCH(COOC_2H_5)_2$ $C_{10}H_{18}O_4$ $M = 202{,}25$ g/mol **1 L ≈ 0,99 kg**	FL. F. *2915*	1 L 200 kg	66,50	56,55 price on request	53,20	51,2
63049	**Diethyl sebacate** PROSYNTH® *Diéthyle sébacate / Dietilo sebacato* $C_2H_5OCO(CH_2)_8COOC_2H_5$ $C_{14}H_{26}O_4$ $M = 258{,}36$ g/mol **1 L ≈ 0,96 kg** assay (GC) ..... 95 % boiling range ..... 172–174 °C refractive index (n_D^{20}) 1,437	FL. *2915*	250 ml	42,–	35,70	33,60	31,5
62718	**Diethyl suberate** PROSYNTH® *Diéthyle subérate / Dietilo suberato* $C_2H_5OCO(CH_2)_6COOC_2H_5$ $C_{12}H_{22}O_4$ $M = 230{,}30$ g/mol **1 L ≈ 0,98 kg** assay (GC) ..... 98 % boiling range ..... 281–283 °C refractive index (n_D^{20}) 1,432	FL. *2915*	100 ml	42,75	36,35	34,20	32,0
60061	**Diethyl succinate** PROSYNTH® *Diéthyle succinate / Dietilo succinato* $C_2H_5OOCCH_2CH_2COOC_2H_5$ $C_8H_{14}O_4$ $M = 174{,}20$ g/mol **1 L ≈ 1,04 kg** assay (GC) ..... 99 % boiling range ..... 216–218 °C refractive index (n_D^{20}) 1,420	FL. *2915*	1 L	62,–	52,70	49,60	47,7

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60122 A 6.1/13B C 6.1 1594 2	**Diethyl sulphate** PROSYNTH® *Diéthyle sulfate / Dietilo sulfato* $(C_2H_5O)_2SO_2$ $C_4H_{10}O_4S$ $M = 154{,}19$ g/mol **1 L ≈ 1,18 kg** assay (GC) ..... 99% boiling range (at 13 mbar) ..... 88–91 °C refractive index (n_D^{20}) ..... 1,400 R: 22-23-34 S: 26-37 disposal: 7	FL. FL. FPFT. *2921*	500 ml 1 L 30 kg	14,25 26,25 price on request	12,10 22,30	11,40 21,–	10,95 20,20
62433 A 3/1A C 3.2 2375 2 10°C	**Diethyl sulphide** PROSYNTH® *Diéthyle sulfure / Dietilo sulfuro* $C_2H_5SC_2H_5$ $C_4H_{10}S$ $M = 90{,}19$ g/mol **1 L ≈ 0,83 kg** assay (GC) ..... 98% boiling range ..... 90–92 °C refractive index (n_D^{20}) ..... 1,442 R: 11 S: 9-16-33 disposal: 15	FL. *2931*	100 ml	36,–	30,60	28,80	27,–
64942	**Diethyl L(+)-tartrate** PROSYNTH® *Diéthyle L(+)-tartrate / Dietilo L(+)-tartrato* $C_2H_5OCO(CHOH)_2COOC_2H_5$ $C_8H_{14}O_8$ $M = 206{,}20$ g/mol **1 L ≈ 1,21 kg** assay (GC) ..... 98% boiling range ..... 278–280 °C refractive index ..... 1,446 optical rotation α_D^{20} ..... +8° ±0,5°	FL. *2916*	250 ml	price on request			
60368 A 6.1/81A C 6.1 2810 2	**O,O-Diethyl thiophosphoric acid chloride** PROSYNTH® *Acide O-O-diéthylthiophosphorique chlorure / Acido O,O-dietiltiofosfórico cloruro* $(C_2H_5O)_2PSCl$ $C_4H_{10}ClO_2PS$ $M = 188{,}61$ g/mol **1 L ≈ 1,20 kg** assay ..... 98% R: 34 S: 26 disposal: 21	FL. *2921*	1 L	100,–	85,–	80,–	77,–
	Dietrich + Conrad see Magnesium nitride						
61067 A 6.1/21E C 6.1 2810 2	**2,4-Difluoroaniline** PROSYNTH® *2-4-Difluoroaniline / 2,4-Difluoroanilina* $F_2C_6H_3NH_2$ $C_6H_5F_2N$ $M = 129{,}11$ g/mol **1 L ≈ 1,28 kg** assay (GC) ..... 98% boiling range ..... 168–170 °C refractive index (n_D^{20}) ..... 1,506 R: 23/24/25-33 S: 28-36/37-44 disposal: 7	FL. *2922*	25 ml	175,–	148,75	140,–	131,25
61230 A 6.1/21E C 6.1 2810 2	**2,5-Difluoroaniline** PROSYNTH® *2-5-Difluoroaniline / 2,5-Difluoroanilina* $F_2C_6H_3NH_2$ $C_6H_5F_2N$ $M = 129{,}11$ g/mol **1 L ≈ 1,29 kg** assay (GC) ..... 98% boiling range (at 40 mbar) ..... 84–86 °C refractive index (n_D^{20}) ..... 1,514 R: 23/24/25-33 S: 28-36/37-44 disposal: 7	FL. *2922*	10 g	102,–	86,70	81,60	76,50

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61231 A 3/1A C 3.2 1993 2 +-0°C	**1,2-Difluorobenzene** PROSYNTH® *1-2-Difluorobenzène / 1,2-Difluorobenceno* $C_6H_4F_2$ *M* = 114,09 g/mol **1 L ≈ 1,16 kg** assay (GC) ..... 98% boiling range ..... 90–92 °C refractive index (n_D^{20}) ..... 1,443 R: 11-20 S: 7-16-29-33 disposal: 7	FL. *2902*	25 ml	99,–	84,15	79,20	74
61232 A 3/1A C 3.2 1993 2 +-0°C	**1,3-Difluorobenzene** PROSYNTH® *1-3-Difluorobenzène / 1,3-Difluorobenceno* $C_6H_4F_2$ *M* = 114,09 g/mol **1 L ≈ 1,16 kg** assay (GC) ..... 98% boiling range ..... 83–85 °C refractive index (n_D^{20}) ..... 1,438 R: 11-20 S: 7-16-29-33 disposal: 7	FL. *2902*	25 ml	121,–	102,85	96,80	90
61233 A 3/1A C 3.2 1993 2 +-0°C	**1,4-Difluorobenzene** PROSYNTH® *1-4-Difluorobenzène / 1,4-Difluorobenceno* $C_6H_4F_2$ *M* = 114,09 g/mol **1 L ≈ 1,17 kg** assay (GC) ..... 98% boiling range ..... 87–89 °C refractive index (n_D^{20}) ..... 1,442 R: 11-20 S: 7-16-29-33 disposal: 7	FL. *2902*	100 ml	147,–	124,95	117,60	110,
61515	**2,4'-Difluorobenzophenone** PROSYNTH® *Difluoro-2-4'-benzophénone / 2,4'-Difluorobenzofenona* $FC_6H_4COC_6H_4F$ $C_{13}H_8F_2O$ *M* = 218,20 g/mol **1 L ≈ 1,24 kg** assay (GC) ..... 99% boiling range (at 16 mbar) ..... 141–143 °C	FL. *2902*	25 ml	price on request			
61158 A 6.1/23C C 6.1 1602 3	**4,4'-Difluorobenzophenone** PROSYNTH® *Difluoro-4-4'-benzophénone / 4,4'-Difluorobenzofenona* $FC_6H_4COC_6H_4F$ $C_{13}H_8F_2O$ *M* = 218,20 g/mol assay (GC) ..... 99% melting range ..... 103–105 °C	WG. FTP. *2913*	50 g 25 kg	110,–	93,50 price on request	88,–	82,
61238	**4,4'-Difluorobiphenyl** PROSYNTH® *4-4'-Difluorobiphényle / 4,4'-Difluorobifenilo* $FC_6H_4C_6H_4F$ $C_{12}H_8F_2$ *M* = 190,19 g/mol assay (GC) ..... 98% melting range ..... 89–91 °C	WG. *2902*	10 g	85,50	72,70	68,40	64,
61235 A 6.1/21K C 6.1 2811 2	**1,5-Difluoro-2,4-dinitrobenzene** PROSYNTH® *1-5-Difluoro-2-4-dinitrobenzène / 1,5-Difluoro-2,4-dinitrobenceno* $F_2C_6H_2(NO_2)_2$ $C_6H_2F_2N_2O_4$ *M* = 204,09 g/mol assay (GC) ..... 98% melting range ..... 73–75 °C	WG. *2903*	10 g	54,50	46,35	43,60	40,
61058 A 6.1/21K C 6.1 2810 2	**2,4-Difluoronitrobenzene** PROSYNTH® *2-4-Difluoronitrobenzène / 2,4-Difluoronitrobenceno* $C_6H_3F_2NO_2$ *M* = 159,09 g/mol **1 L ≈ 1,45 kg** assay (GC) ..... 97% boiling range ..... 204–207 °C	FL. *2903*	100 ml	178,–	151,30	142,40	133,

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1241 6.1/21K 6.1 2810 2	**2,5-Difluoronitrobenzene** PROSYNTH® *2-5-Difluoronitrobenzène / 2,5-Difluoronitrobenceno* $C_6H_3F_2NO_2$ · M = 159,09 g/mol **1 L ≈ 1,45 kg** assay (GC) ..... 98% boiling range (at 33 mbar) ..... 101–103 °C refractive index (n_D^{20}) 1,510	FL. *2903*	50 ml	257,–	218,45	205,60	192,75
1229 8/10B 8 1768 2 °C	**Difluorophosphoric acid** PROSYNTH® *Acide difluorophosphorique / Acido difluorofosfórico* HF_2O_2P M = 101,99 g/mol **1 L ≈ 1,61 kg** assay (ex P) ..... 98% keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	PF. *2813*	100 ml	204,–	173,40	163,20	153,–
61244	**2,4-Difluorotoluene** PROSYNTH® *2-4-Difluorotoluène / 2,4-Difluorotolueno* $F_2C_6H_3CH_3$ $C_7H_6F_2$ M = 128,12 g/mol **1 L ≈ 1,15 kg** assay (GC) ..... 97% boiling range ..... 113–116 °C	FL. *2902*	25 g	250,–	212,50	200,–	187,50
61245	**2,5-Difluorotoluene** PROSYNTH® *2-5-Difluorotoluène / 2,5-Difluorotolueno* $F_2C_6H_3CH_3$ $C_7H_6F_2$ M = 128,12 g/mol **1 L ≈ 1,15 kg** assay (GC) ..... 97% boiling range (at 1033 mbar) ..... 115–117 °C	FL. *2902*	25 g	257,–	218,45	205,60	192,75
	1,2-Diformylbenzene see Phthaldialdehyde						
	1,3-Diformylbenzene see *iso*-Phthaldialdehyde						
	1,4-Diformylbenzene see Terephthalaldehyde						
	Digestin® see Tissue solubilizer						
20812 A 6.1/81E C 6.1 1544 3	**Digitonin** cryst. *Digitonine / Digitonina* $C_{56}H_{92}O_{29}$ M = 1229,33 g/mol assay (in dried substance) ..... 99,8% specific rotation ($[\alpha]_D^{20}$; c=2 in CH_3COOH 75%) ..... –46° to –50° loss on drying (105 °C) ..... 6% sulphated ash 0,05%	FL. WG. *2941*	1 g 5 g	35,25 155,–	29,95 131,75	28,20 124,–	26,45 116,25
39134	**D(+)-Digitoxose** BIOSYNTH® *D(+)-Digitoxose / D(+)-Digitoxosa* $CH_3\underline{CH(CHOH)_2CH_2CH(OH)O}$ $C_6H_{12}O_4$ M = 148,16 g/mol specific rotation ($[\alpha]_D^{20}$; c=1 in H_2O) ..... +46,5° ± 2° package of 100 mg	*2943*	1 pack	22,–	18,70	17,60	16,50
	Diglycol see Diethylene glycol						
	Diglyme see Diethylene glycol dimethyl ether						
	Digol see Diethylene glycol						
64041	**Diheptyl ether** PROSYNTH® *Ether diheptylique / Eter diheptílico* $[CH_3(CH_2)_6]_2O$ $C_{14}H_{30}O$ M = 214,39 g/mol assay (GC) ..... 97% boiling range ..... 256–258 °C refractive index (n_D^{20}) 1,427	FL. *2908*	25 g	26,25	22,30	21;–	19,70

POLYPEHA® universal and special indicator papers in strips

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63410	**Diheptyl ketone** PROSYNTH® *Diheptylcétone / Diheptilcetona* $CH_3(CH_2)_6CO(CH_2)_6CH_3$ $C_{15}H_{30}O$ $M = 226{,}40$ g/mol assay (GC) ..... 98% melting range ..... 39–41 °C	WG. *2913*	25 g	21,50	18,30	17,20	16
62501 A 3/4 +77 °C	**Dihexyl ether** PROSYNTH® *Ether dihexylique / Eter dihexílico* $CH_3(CH_2)_5O(CH_2)_5CH_3$ $C_{12}H_{26}O$ $M = 186{,}34$ g/mol **1 L ≈ 0,79 kg** assay (GC) ..... 97% boiling range ..... 219–222 °C refractive index (n_D^{20}) 1,420	FL. *2908*	100 ml	25,25	21,45	20,20	18
63411	**Dihexyl ketone** PROSYNTH® *Dihexylcétone / Dihexilcetona* $CH_3(CH_2)_5CO(CH_2)_5CH_3$ $C_{13}H_{26}O$ $M = 198{,}35$ g/mol assay (GC) ..... 98% melting range ..... 30–32 °C	WG. *2913*	25 g	33,25	28,25	26,60	24
	1,2-Dihydroacenaphthylene see Acenaphthene						
63413	**9,10-Dihydroanthracene** PROSYNTH® *9-10-Dihydroanthracène / 9,10-Dihidroantraceno* $C_6H_4CH_2C_6H_4CH_2$ $C_{14}H_{12}$ $M = 180{,}25$ g/mol assay (GC) ..... 98% melting range ..... 107–109 °C	WG. *2901*	100 g	40,75	34,65	32,60	30,
	1,2-Dihydrobenzene see 1,3-Cyclohexadiene						
	1,4-Dihydrobenzene see 1,4-Cyclohexadiene						
64042	**Dihydrocoumarin** PROSYNTH® *Dihydrocoumarine / Dihidrocumarina* $C_9H_8O_2$ $M = 148{,}16$ g/mol **1 L ≈ 1,17 kg** assay (GC) ..... 97% boiling range ..... 269–271 °C refractive index (n_D^{20}) ..... 1,556 R: 23/24/25 S: 1-13-45 disposal: 10	FL. *2935*	50 ml	14,25	12,10	11,40	10,
64526 A 3/1A C 3.2 1993 2 +1 °C	**2,5-Dihydrofuran** PROSYNTH® *Dihydro-2-5-furanne / 2,5-Dihidrofurano* $OCH_2CH=CHCH_2$ C_4H_6O $M = 70{,}09$ g/mol **1 L ≈ 0,95 kg** assay (GC) ..... 98% boiling range ..... 64–66 °C refractive index (n_D^{20}) ..... 1,426 R: 11 S: 9-16-33 disposal: 6	FL. *2935*	100 ml	39,25	33,35	31,40	29,
	2,3-Dihydroindole see Indoline						
	9,10-Dihydro-9-oxoanthracene see Anthrone						
60139 A 3/1A C 3.2 2376 2 -16 °C	**3,4-Dihydro-2H-pyrane** PROSYNTH® *3-4-Dihydro-2H-pyranne / 3,4-Dihidro-2H-pirano* $OCH_2CH_2CH_2CH=CH$ C_5H_8O $M = 84{,}12$ g/mol **1 L ≈ 0,92 kg** assay (GC) ..... 98% boiling range ..... 86–88 °C refractive index (n_D^{20}) 1,440	FL. FL. *2935*	250 ml 1 L	58,– 193,–	49,30 164,05	46,40 154,40	43, 148,
	1,2-Dihydroxobenzene see Pyrocatechol						

Article-Number / RID/ADR / IGVE/GGVS / IMDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
502	**2,4-Dihydroxyacetophenone** PROSYNTH® *2-4-Dihydroxyacétophénone / 2,4-Dihidroxiacetofenona* $(HO)_2C_6H_3COCH_3$ $C_8H_8O_3$ $M = 152{,}15$ g/mol assay (GC) ..... 99% melting range ..... 144–146 °C	WG. 2913	100 g	69,50	59,10	55,60	52,15
966	**2,5-Dihydroxyacetophenone** PROSYNTH® *2-5-Dihydroxyacétophénone / 2,5-Dihidroxiacetofenona* $(HO)_2C_6H_3COCH_3$ $C_8H_8O_3$ $M = 152{,}15$ g/mol assay (HPLC) 99%	WG. 2913	5 g	54,50	46,35	43,60	40,90
2503	**2,6-Dihydroxyacetophenone** PROSYNTH® *2-6-Dihydroxyacétophénone / 2,6-Dihidroxiacetofenona* $(HO)_2C_6H_3COCH_3$ $C_8H_8O_3$ $M = 152{,}15$ g/mol assay (GC) ..... 99% melting range ..... 155–157 °C	WG. 2913	10 g	65,–	55,25	52,–	48,75
	2,4-Dihydroxy-1-acetylbenzene see 2,4-Dihydroxyacetophenone						
	2,6-Dihydroxy-1-acetylbenzene see 2,6-Dihydroxyacetophenone						
2504	**1,4-Dihydroxyanthraquinone** PROSYNTH® *1-4-Dihydroxyanthraquinone / 1,4-Dihidroxiantraquinona* $\underline{CO}C_6H_4\underline{CO}C_6H_2(OH)_2$ $C_{14}H_8O_4$ $M = 240{,}21$ g/mol assay ..... 97% melting range ..... 191–193 °C (disint.)	WG. 2913	100 g	12,–	10,20	9,60	9,–
2505	**1,8-Dihydroxyanthraquinone** PROSYNTH® *1-8-Dihydroxyanthraquinone / 1,8-Dihidroxiantraquinona* $\underline{CO}C_6H_3(OH)\underline{CO}C_6H_3OH$ $C_{14}H_8O_4$ $M = 240{,}21$ g/mol melting range ..... 191–193 °C	WG. 2913	100 g	30,75	26,15	24,60	23,05
3818	**2,6-Dihydroxyanthraquinone** PROSYNTH® *2-6-Dihydroxyanthraquinone / 2,6-Dihidroxiantraquinona* $C_{14}H_8O_4$ $M = 240{,}21$ g/mol	WG. 2913	100 g	74,50	63,35	59,60	55,90
4967	**2,3-Dihydroxybenzaldehyde** PROSYNTH® *Dihydroxy-2-3-benzaldéhyde / 2,3-Dihidroxibenzaldehido* $(HO)_2C_6H_3CHO$ $C_7H_6O_3$ $M = 138{,}12$ g/mol assay (HPLC) ..... 97% melting range ..... 104–106 °C	WG. 2911	5 g	26,25	22,30	21,–	19,70
4529	**2,5-Dihydroxybenzaldehyde** PROSYNTH® *Dihydroxy-2-5-benzaldéhyde / 2,5-Dihidroxibenzaldehido* $(HO)_2C_6H_3CHO$ $C_7H_6O_3$ $M = 138{,}12$ g/mol assay (HPLC) ..... 98% melting range ..... 97–99 °C	WG. 2911	5 g	47,50	40,40	38,–	35,65
62506	**3,4-Dihydroxybenzaldehyde** PROSYNTH® *Dihydroxy-3-4-benzaldéhyde / 3,4-Dihidroxibenzaldehido* $(HO)_2C_6H_3CHO$ $C_7H_6O_3$ $M = 138{,}12$ g/mol assay (HPLC) ..... 97% melting range ..... 150–153 °C	PF. 2911	100 g	191,–	162,35	152,80	143,25
	o-Dihydroxybenzene see Pyrocatechol						
	m-Dihydroxybenzene see Resorcinol						
	p-Dihydroxybenzene see Hydroquinone						
	1,2-Dihydroxybenzene-3,5-disulphonic acid sodium salt see Tiron						

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60140	**2,4-Dihydroxybenzoic acid** PROSYNTH® (β-resorcylic acid) *Acide dihydroxy-2-4-benzoïque / Acido dihidroxi-2,4-benzóico* $(HO)_2C_6H_3COOH$ $C_7H_6O_4$ $M = 154{,}12$ g/mol assay (alkalimetric) ..... 98% melting range ..... 208—211 °C (disint.)	PF. *2916*	250 g	44,75	38,05	35,80	33
62507	**2,5-Dihydroxybenzoic acid** PROSYNTH® *Acide dihydroxy-2-5-benzoïque / Acido 2,5-dihidroxibenzóico* $(HO)_2C_6H_3COOH$ $C_7H_6O_4$ $M = 154{,}12$ g/mol assay (alkalimetric) ..... 98% melting range ..... 202—205 °C	PF. *2916*	100 g	32,25	27,40	25,80	24
60141	**2,6-Dihydroxybenzoic acid** PROSYNTH® (γ-resorcylic acid) *Acide dihydroxy-2-6-benzoïque / Acido dihidroxi-2,6-benzóico* $(HO)_2C_6H_3COOH$ $C_7H_6O_4$ $M = 154{,}12$ g/mol assay (alkalimetric) ..... 98% melting range ..... 155—158 °C (disint.)	PF. *2916*	250 g	80,—	68,—	64,—	60
63820	**3,4-Dihydroxybenzoic acid** PROSYNTH® *Acide dihydroxy-3-4-benzoïque / Acido 3,4-dihidroxibenzóico* $(HO)_2C_6H_3COOH$ $C_7H_6O_4$ $M = 154{,}12$ g/mol assay (alkalimetric) ..... 98% melting range ..... 197—200 °C (disint.)	WG. *2916*	10 g	25,25	21,45	20,20	18
60142	**3,5-Dihydroxybenzoic acid** PROSYNTH® (α-resorcylic acid) *Acide dihydroxy-3-5-benzoïque / Acido dihidroxi-3,5-benzóico* $C_6H_3(OH)_2COOH$ $C_7H_6O_4$ $M = 154{,}12$ g/mol assay (alkalimetric) ..... 98% melting range ..... 235—238 °C	PF. *2916*	250 g	42,75	36,35	34,20	32
63415	**2,4-Dihydroxybenzophenone** PROSYNTH® *2-4-Dihydroxybenzophénone / 2,4-Dihidroxibenzofenona* $(HO)_2C_6H_3COC_6H_5$ $C_{13}H_{10}O_3$ $M = 214{,}22$ g/mol assay (alkalimetric) ..... 99% melting range ..... 144—146 °C	WG. WG. *2913*	100 g 1 kg	23,— 175,—	19,55 148,75	18,40 140,—	17. 134,
64044	**2,2'-Dihydroxybiphenyl** PROSYNTH® *2-2'-Dihydroxybiphényle / 2,2'-Dihidroxibifenilo* $HOC_6H_4C_6H_4OH$ $C_{12}H_{10}O_2$ $M = 186{,}21$ g/mol assay (HPLC) ..... 99% melting range ..... 108—110 °C	WG. *2906*	100 g	25,25	21,45	20,20	18,
64979	**4,4'-Dihydroxybiphenyl** PROSYNTH® *4-4'-Dihydroxybiphényle / 4,4'-Dihidroxibifenilo* $HOC_6H_4C_6H_4OH$ $C_{12}H_{10}O_2$ $M = 186{,}21$ g/mol	WG. *2906*	10 g	12,—	10,20	9,60	9,
64045	**Dihydroxybiphenylsulphone mixture of 2,4'- and 4,4'-isomeres** PROSYNTH® *Dihydroxybiphénylsulfone / Dihidroxibifenilsulfona* $(HOC_6H_4)_2SO_2$ $C_{12}H_{10}O_4S$ $M = 250{,}27$ g/mol assay ..... 99% assay of 4,4'-dihydroxybiphenylsulphone (HPLC) . 80% assay of 2,4'-dihydroxybiphenylsulphone (HPLC) . 20%	WG. *2907*	250 g	25,25	21,45	20,20	18,

refer explanations

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	2,3-Dihydroxybutenoic acid see Dihydroxyfumaric acid						
	1,2-Dihydroxy-4-*tert.*-butylbenzene see 4-*tert.*-Butylpyroatechol						
0366	**3α,7α-Dihydroxy-5β-cholanic acid** BIOSYNTH® *Acide 3α,7α-dihydroxy-5β-cholanique / Acido 3α,7α-dihidroxi-5β-colánico* $C_{24}H_{40}O_4$ $M = 392{,}58$ g/mol	FL. WG. *2916*	1 g 5 g	11,— 24,—	9,35 20,40	8,80 19,20	8,25 18,—
62510	**3,4-Dihydroxycinnamic acid** PROSYNTH® *Acide 3-4-dihydroxycinnamique / Acido 3,4-dihidroxicinámico* $(HO)_2C_6H_3CH=CHCOOH$ $C_9H_8O_4$ $M = 180{,}16$ g/mol melting range ..... 210—211 °C (disint.)	WG. *2916*	10 g	41,75	35,50	33,40	31,30
	1,2-Dihydroxycyclohexane see *cis,trans*-1,2-Cyclohexanediol						
	2,4-Dihydroxy-1-cyclohexylbenzene see 4-Cyclohexylresorcinol						
	2,5-Dihydroxy-1,4-di-*tert.*-butylbenzene see 2,5-Di-*tert.*-butylhydroquinone						
	2,2'-Dihydroxy diethyl ether see Diethylene glycol						
	1,4-Dihydroxy-9,10-dioxo-9,10-dihydroanthracene see 1,4-Dihydroxyanthraquinone						
	1,8-Dihydroxy-9,10-dioxo-9,10-dihydroanthracene see 1,8-Dihydroxyanthraquinone						
	2,2-Dihydroxy-1,3-dioxohydrindene see Ninhydrin						
62509	**Dihydroxyfumaric acid** PROSYNTH® *Acide dihydroxyfumarique / Acido dihidroxifumárico* $HOOCC(OH)=C(OH)COOH$ $C_4H_4O_6$ $M = 148{,}07$ g/mol assay (GC) ..... 99% melting range ..... 154—156 °C (disint.)	WG. *2916*	25 g	36,—	30,60	28,80	27,—
	4,5-Dihydroxy-2-methylanthraquinone see Chrysophanic acid						
63416	**5,7-Dihydroxy-4-methylcoumarin** PROSYNTH® *5-7-Dihydroxy-4-méthylcoumarine / 5,7-Dihidroxi-4-metilcumarina* $(HO)_2C_6H_2OCOCH=CCH_3$ $C_{10}H_8O_4$ $M = 192{,}17$ g/mol R: 23/24/25 S: 1-13-45 disposal: 10	WG. *2935*	25 g	44,50	37,85	35,60	33,40
	Dihydroxynaphthalene see also Naphthalenediol						
	1,8-Dihydroxynaphthalene-3,6-disulphonic acid disodium salt see Chromotropic acid						
39266	**3,4-Dihydroxy-DL-phenylalanine** BIOSYNTH® (DL-DOPA) *3-4-Dihydroxy-DL-phénylalanine / 3,4-Dihidroxi-DL-fenilalanina* $(HO)_2C_6H_3CH_2CH(NH_2)COOH$ $C_9H_{11}NO_4$ $M = 197{,}19$ g/mol	WG. *2923*	5 g	15,50	13,20	12,40	11,65
39011	**3,4-Dihydroxy-L-phenylalanine** BIOSYNTH® (L-DOPA) *3-4-Dihydroxy-L-phénylalanine / 3,4-Dihidroxi-L-fenilalanina* $(HO)_2C_6H_3CH_2CH(NH_2)COOH$ $C_9H_{11}NO_4$ $M = 197{,}19$ g/mol assay (ex N) ..... 98% specific rotation ($[\alpha]_D^{20}$; c = 2 in HCl) ..... −12° ± 1°	WG. *2923*	5 g	14,75	12,55	11,80	11,05

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65163	**1-(2,4-Dihydroxyphenyl)-hexanone-(1)** PROSYNTH® *1-(2-4-Dihydroxyphényl)-hexanone-(1) / 1-(2,4-Dihidroxifenil)-hexanona-(1)* $(HO)_2C_6H_3CO(CH_2)_4CH_3$ $C_{12}H_{16}O_3$ $M = 208{,}26$ g/mol assay (GC) ..... 98% melting range ..... 54–56 °C	WG. *2913*	250 g	70,–	59,50	56,–	52,
	2,4-Dihydroxypropionylbenzene see 2,4-Dihydroxypropiophenone						
63417	**2,4-Dihydroxypropiophenone** PROSYNTH® *2-4-Dihydroxypropiophénone / 2,4-Dihidroxipropiofenona* $(HO)_2C_6H_3COCH_2CH_3$ $C_9H_{10}O_3$ $M = 166{,}18$ g/mol assay (GC) ..... 99% melting range ..... 99–101 °C	PF. *2913*	25 g	32,50	27,65	26,–	24,
	2,3-Dihydroxypropylmercaptan see 1-Thioglycerol						
63418	**2,4-Dihydroxypteridine** PROSYNTH® (Lumazine) *2-4-Dihydroxyptéridine / 2,4-Dihidroxipteridina* $C_6H_4N_4O_2$ $M = 164{,}12$ g/mol assay 95%	FL. *2935*	1 g	35,–	29,75	28,–	26,
	2,4-Dihydroxypyrimidine see Uracil						
63419	**4,6-Dihydroxypyrimidine** PROSYNTH® *4-6-Dihydroxypyrimidine / 4,6-Dihidroxipirimidina* $N=CHN=C(OH)CH=\underset{\frown}{C}OH$ $C_4H_4N_2O_2$ $M = 112{,}09$ g/mol assay 97%	WG. *2935*	25 g	20,25	17,20	16,20	15,
63420	**2,3-Dihydroxyquinoxalene** PROSYNTH® *2-3-Dihydroxyquinoxalène / 2,3-Dihidroxiquinoxaleno* $\underset{\frown}{C_6H_4N=C(OH)C(OH)=N}$ $C_8H_6N_2O_2$ $M = 162{,}15$ g/mol assay 98%	WG. *2935*	10 g	11,–	9,35	8,80	8,
	1,2-Dihydroxy-4-tertiarybutylbenzene see *tert.*-Butylpyrocatechol						
	2,3-Dihydroxytoluene see 3-Methylpyrocatechol						
64704	**2,5-Dihydroxytoluene** PROSYNTH® *Dihydroxy-2-5-toluène / 2,5-Dihidroxitolueno* $CH_3C_6H_3(OH)_2$ $C_7H_8O_2$ $M = 124{,}14$ g/mol assay (GC) ..... 98% melting range ..... 126–128 °C	WG. *2906*	100 g	30,75	26,15	24,60	23,
63663	**2,6-Dihydroxytoluene** PROSYNTH® *Dihydroxy-2-6-toluène / 2,6-Dihidroxitolueno* $CH_3C_6H_3(OH)_2$ $C_7H_8O_2$ $M = 124{,}14$ g/mol assay (GC) ..... 95% melting range ..... 111–113 °C	WG. *2906*	100 g	35,50	30,20	28,40	26,
	3,5-Dihydroxytoluene see Orcinol						
	4,6-Diimino-2-thionehexahydropyrimidine see 4,6-Diamino-2-mercaptopyrimidine						
64969	**1,10-Diiododecane** PROSYNTH® *1-10-Diioddécane / 1,10-Diyododecano* $J(CH_2)_{10}J$ $C_{10}H_{20}J_2$ $M = 394{,}08$ g/mol assay (ex J) ..... 99% melting range ..... 26–29 °C	WG. *2902*	100 g	30,75	26,15	24,60	23,

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3922	**Diiodofluorescein** adsorption indicator (C. I. No. 45425, S. No. 886) *Diiodofluorescéine / Diyodofluoresceína* $NaOOCC_6H_4C=C_6H_2J(=O)OC_6H_2JONa$ $C_{20}H_8J_2Na_2O_5$ $M = 628{,}06$ g/mol	WG. *3205*	10 g	21,50	18,30	17,20	16,15
4984	**3,5-Diiodo-2-hydroxybenzoic acid** PROSYNTH® *Acide 3-5-diiodo-2-hydroxybenzoïque / Acido 3,5-diyodo-2-hidroxibenzóico* $HOC_6H_2J_2COOH$ $C_7H_4J_2O_3$ $M = 389{,}92$ g/mol assay (alkalimetric) ..... 98% melting range ..... 226—230 °C (disint.)	WG. *2916*	25 g	20,25	17,20	16,20	15,20
2008	**5,7-Diiodo-8-hydroxyquinoline** B. P. 1973, U. S. P. XVIII *5-7-Diiode-8-hydroxyquinoléine / 5,7-Diyodo-8-hidroxiquinolina* $J_2C_6H(OH)CH=CHCH=N$ $C_9H_5J_2NO$ $M = 396{,}95$ g/mol	WG. FTP. *2935*	500 g 50 kg	46,50	39,55 price on request	37,20	35,80
30319 A 6.1/62 C 6.1 2810 3	**Diiodomethane** (D_4^{20}) 3,31—3,32 for the separation of mineral compounds *Diiodométhane / Diyodometano* CH_2J_2 $M = 267{,}84$ g/mol **1 L ≈ 3,31 kg** keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 20 S: 24 disposal: 13	FL. *2902*	100 ml	183,—	155,55	146,40	137,25
60143 A 6.1/62 C 6.1 2810 3	**Diiodomethane** PROSYNTH® *Diiodcméthane / Diyodometano* CH_2J_2 $M = 267{,}84$ g/mol **1 L ≈ 3,33 kg** assay (GC) ..... 99% boiling range (at 15 mbar) ..... 67—69 °C refractive index (n_D^{20}) ..... 1,745 keep cool à stocker au frais consérvese fric R: 20 S: 24 disposal: 13	FL. *2902*	100 ml	56,—	47,60	44,80	42,—
64970	**1,8-Diiodooctane** PROSYNTH® *1-8-Diiodooctane / 1,8-Diyodooctano* $J(CH_2)_8J$ $C_8H_{16}J_2$ $M = 366{,}02$ g/mol **1 L ≈ 1,84 kg** assay (GC) ..... 97% boiling range (at 8 mbar) ..... 166—168 °C refractive index (n_D^{20}) 1,564	FL. *2902*	5 ml	28,50	24,25	22,80	21,40
64971	**1,5-Diiodopentane** PROSYNTH® *1-5-Diiodopentane / 1,5-Diyodopentano* $J(CH_2)_5J$ $C_5H_{10}J_2$ $M = 323{,}94$ g/mol **1 L ≈ 2,17 kg** assay ..... 97% boiling range (at 32 mbar) ..... 154—156 °C refractive index (n_D^{20}) 1,605	FL. *2902*	25 ml	31,25	26,55	25,—	23,45
61120	**1,4-Diiodoperfluorobutane** PROSYNTH® *1-4-Diiodoperfluorobutane / 1,4-Diyodoperfluorobutano* $J(CF_2)_4J$ $C_4F_8J_2$ $M = 453{,}84$ g/mol **1 L ≈ 2,50 kg** assay 98%	WG. *2902*	10 g	56,50	48,05	45,20	42,40

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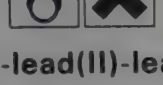
64972	**1,3-Diiodopropane** PROSYNTH® *1-3-Diiodopropane / 1,3-Diyodopropano* $J(CH_2)_3J$ $C_3H_6J_2$ $M = 295,89$ g/mol **1 L ≈ 2,56 kg** assay (GC) ..... 97% boiling range (at 25 mbar) ..... 108—110 °C refractive index (n_D^{20}) 1,642	FL. *2902*	25 ml	28,50	24,25	22,80	21,–
39403	**3,5-Diiodo-L-thyronine** BIOSYNTH® *3-5-Diiodo-L-thyronine / 3,5-Diyodo-L-tironina* $HOC_6H_4OC_6H_2J_2CH_2CH(NH_2)COOH$ $C_{15}H_{13}J_2NO_4$ $M = 525,08$ g/mol	FL. *2923*	1 g	76,50	65,05	61,20	57,–
39399	**3,5-Diiodo-DL-thyronine** BIOSYNTH® *3-5-Diiodo-DL-thyronine / 3,5-Diyodo-DL-tironina* $HOC_6H_4OC_6H_2J_2CH_2CH(NH_2)COOH$ $C_{15}H_{13}J_2NO_4$ $M = 525,08$ g/mol	FL. *2923*	1 g	31,25	26,55	25,—	23,–
39400	**3,5-Diiodo-L-tyrosine** BIOSYNTH® *3-5-Diiodo-L-tyrosine / 3,5-Diyodo-L-tirosina* $HOC_6H_2J_2CH_2CH(NH_2)COOH \cdot 2H_2O$ $C_9H_9J_2NO_3 \cdot 2H_2O$ $M = 469,01$ g/mol	WG. *2923*	50 g	40,50	34,45	32,40	30,–
	2,5-Diketotetrahydrofuran see Succinic anhydride						
63593 A 5.2/11 C 5.2 2124 2	**Dilauroyl peroxide** PROSYNTH® *Dilauroyle peroxyde / Dilauroilo peróxido* $[CH_3(CH_2)_{10}CO]_2O_2$ $C_{24}H_{46}O_4$ $M = 398,63$ g/mol assay (jodometric) ..... 98% melting range ..... 53—55 °C  R: 11-36/37/38 S: 3-7/9-14-27-37/39 disposal: 16	WG. *2914*	250 g	40,25	34,20	32,20	30,–
	Di-lead(II)-lead(IV) oxide see Lead(II,IV) oxide						
33128	**Dimedone** R. G., reagent for aldehydes *Dimédon / Dimedona* $(CH_3)_2CCH_2COCH_2COCH_2$ $C_8H_{12}O_2$ $M = 140,18$ g/mol assay ..... min. 99,5% melting range ..... 146—148 °C sulphated ash ..... max. 0,1% suitability for determination of formaldehyde ..... passes test	WG. *2906*	25 g	19,50	16,60	15,60	14,–
35778 A 6.1/81A C 6.1 1615 1	**Dimefox** min. 99% PESTANAL® (Tetramethyl phosphorodiamidic fluoride) $[(CCH_3)_2N]_2P(O)F$ $C_4H_{12}FN_2OP$ $M = 154,12$ g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 26/27/28 S: 1-13-28-45 disposal: 7	FL. *2902*	2 g	56,50	48,05	45,20	42,–
	3,4-Dimercapto-1-methylbenzene see Dithiol						
64046	**2,3-Dimercaptopropanol-(1)** PROSYNTH® *2-3-Dimercaptopropanol-(1) / 2,3-Dimercaptopropanol-(1)* $HOCH_2CH(SH)CH_2SH$ $C_3H_8OS_2$ $M = 124,23$ g/mol **1 L ≈ 1,25 kg** assay (iodometric) ..... 98% boiling range (bei 20 mbar) ..... 118—120 °C refractive index (n_D^{20}) 1,573	FL. *2931*	10 ml	49,25	41,85	39,40	36,–

refer explanations

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5720 6.1/83A1 6.1 1615 3	**Dimethoat** min. 99% PESTANAL® [0,0-Dimethyl-S-(N-methylcarbamoylmethyl)-phosphorodithioate] $(CH_3O)_2P(S)SCH_2C(O)NHCH_3$ $C_5H_{12}NO_3PS_2$ $M = 229{,}26$ g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 20/21/22 S: 2-13 disposal: 7	FL. *2921*	1 g	21,50	18,30	17,20	16,15
4531	**2,4-Dimethoxyacetophenone** PROSYNTH® *Diméthoxy-2-4-acétophénone / 2,4-Dimetoxiacetofenona* $(CH_3O)_2C_6H_3COCH_3$ $C_{10}H_{12}O_3$ $M = 180{,}20$ g/mol assay (GC) ..... 98% melting range ..... 39—41 °C	WG. *2913*	100 g	30,75	26,15	24,60	23,05
64549 A 6.1/21F C 6.1 2811 2	**2,4-Dimethoxyaniline** PROSYNTH® *Diméthoxy-2-4-aniline / 2,4-Dimetoxianilina* $(CH_3O)_2C_6H_3NH_2$ $C_8H_{11}NO_2$ $M = 153{,}18$ g/mol assay (GC) ..... 97% melting range ..... 33—35 °C R: 23/24/25 S: 44 disposal: 19	WG. *2923*	100 g	23,—	19,55	18,40	17,25
62511 A 6.1/21 C 6.1 2811 2	**2,5-Dimethoxyaniline** PROSYNTH® *Diméthoxy-2-5-aniline / 2,5-Dimetoxianilina* $(CH_3O)_2C_6H_3NH_2$ $C_8H_{11}NO_2$ $M = 153{,}18$ g/mol assay (GC) ..... 97% melting range ..... 79—81 °C R: 23/24/25 S: 44 disposal: 19	WG. *2923*	100 g	18,75	15,95	15,—	14,05
64532 A 6.1/21 C 6.1 2811 2	**3,4-Dimethoxyaniline** PROSYNTH® *Diméthoxy-3-4-aniline / 3,4-Dimetoxianilina* $(CH_3O)_2C_6H_3NH_2$ $C_8H_{11}NO_2$ $M = 153{,}18$ g/mol assay (GC) ..... 98% melting range ..... 85—88 °C R: 23/24/25 S: 44 disposal: 19	WG. *2923*	10 g	48,—	40,80	38,40	36,—
64534 A 6.1/21P C 6.1 2811 2	**3,5-Dimethoxyaniline** PROSYNTH® *Diméthoxy-3-5-aniline / 3,5-Dimetoxianilina* $(CH_3O)_2C_6H_3NH_2$ $C_8H_{11}NO_2$ $M = 153{,}18$ g/mol assay (GC) ..... 98% melting range ..... 52—54 °C R: 23/24/25 S: 44 disposal: 19	WG. *2923*	5 g	26,25	22,30	21,—	19,70
63824	**2,3-Dimethoxybenzaldehyde** PROSYNTH® *Diméthoxy-2-3-benzaldéhyde / 2,3-Dimetoxibenzaldehido* $(CH_3O)_2C_6H_3CHO$ $C_9H_{10}O_3$ $M = 166{,}18$ g/mol assay (GC) ..... 98% melting range ..... 48—50 °C	WG. *2911*	25 g	41,50	35,30	33,20	31,15
62512	**2,4-Dimethoxybenzaldehyde** PROSYNTH® *Diméthoxy-2-4-benzaldéhyde / 2,4-Dimetoxibenzaldehido* $(CH_3O)_2C_6H_3CHO$ $C_9H_{10}O_3$ $M = 166{,}18$ g/mol assay (GC) ..... 98% melting range ..... 67—69 °C	WG. *2911*	25 g	44,75	38,05	35,80	33,55

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	9((16 Bc
62513	**2,5-Dimethoxybenzaldehyde** PROSYNTH® *Diméthoxy-2-5-benzaldéhyde / 2,5-Dimetoxibenzaldehido* $(CH_3O)_2C_6H_3CHO$ $C_9H_{10}O_3$ $M = 166{,}18$ g/mol assay (GC) ..... 98% melting range ..... 46—48 °C	WG. *2911*	25 g	26,25	22,30	21,—	19
	3,4-Dimethoxybenzaldehyde see Veratraldehyde						
64535	**3,5-Dimethoxybenzaldehyde** PROSYNTH® *Diméthoxy-3-5-benzaldéhyde / 3,5-Dimetoxibenzaldehído* $(CH_3O)_2C_6H_3CHO$ $C_9H_{10}O_3$ $M = 166{,}18$ g/mol assay (GC) ..... 97% melting range ..... 44—46 °C	WG. *2911*	10 g	108,50	92,25	86,80	81
	1,2-Dimethoxybenzene see Vetratrole						
	1,3-Dimethoxybenzene see Resorcinol dimethyl ether						
	1,4-Dimethoxybenzene see Hydroquinone dimethyl ether						
	3,3'-Dimethoxybenzidine see o-Dianisidine						
64985	**2,3-Dimethoxybenzoic acid** PROSYNTH® *Acide 2-3-diméthoxybenzoïque / Acido 2,3-dimetoxibenzóico* $(CH_3O)_2C_6H_3COOH$ $C_9H_{10}O_4$ $M = 182{,}18$ g/mol assay (alkalimetric) ..... 98% melting range ..... 120—122 °C	WG. *2916*	5 g	15,50	13,20	12,40	11,
63825	**2,4-Dimethoxybenzoic acid** PROSYNTH® *Acide 2-4-diméthoxybenzoïque / Acido 2,4-dimetoxibenzóico* $(CH_3O)_2C_6H_3COOH$ $C_9H_{10}O_4$ $M = 182{,}18$ g/mol assay (alkalimetric) ..... 98% melting range ..... 107—109 °C	WG. *2916*	25 g	43,75	37,20	35,—	32
64536	**2,6-Dimethoxybenzoic acid** PROSYNTH® *Acide diméthoxy-2-6-benzoïque / Acido 2,6-dimetoxibenzóico* $(CH_3O)_2C_6H_3COOH$ $C_9H_{10}O_4$ $M = 182{,}18$ g/mol assay (alkalimetric) ..... 98% melting range ..... 185—187 °C	WG. *2916*	100 g	90,—	80,10	75,60	71,
64986	**3,5-Dimethoxybenzoic acid** PROSYNTH® *Acide 3-5-diméthoxybenzoïque / Acido 3,5-dimetoxibenzóico* $(CH_3O)_2C_6H_3COOH$ $C_9H_{10}O_4$ $M = 182{,}18$ g/mol assay (alkalimetric) ..... 99% melting range ..... 178—180 °C	WG. *2916*	100 g	71,—	60,35	56,80	53,
64989 A 6.1/21 C 6.1 2811 2	**2,6-Dimethoxybenzonitrile** PROSYNTH® *2-6-Diméthoxybenzonitrile / 2,6-Dimetoxibenzonitrilo* $(CH_3O)_2C_6H_3CN$ $C_9H_9NO_2$ $M = 163{,}18$ g/mol	WG. *2927*	10 g	20,75	17,65	16,60	15,
62516 A 6.1/21A C 6.1 2811 1	**3,4-Dimethoxybenzonitrile** PROSYNTH® *3-4-Diméthoxybenzonitrile / 3,4-Dimetoxibenzonitrilo* $(CH_3O)_2C_6H_3CN$ $C_9H_9NO_2$ $M = 163{,}18$ g/mol	*2927*					
	3,4-Dimethoxybenzyl cyanide see Veratryl cyanide						
		WG.	10 g	18,—	15,30	14,40	13,

refer explanations

ode-Number RID/ADR GGVE/GGVS IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
3826	***trans*-2,4-Dimethoxycinnamic acid** PROSYNTH® *Acide trans-2-4-diméthoxycinnamique / Acido trans-2,4-dimetoxicinámico* $(CH_3O)_2C_6H_3CH=CHCOOH$ $C_{11}H_{12}O_4$ $M = 208{,}21$ g/mol assay (alkalimetric) ..... 98% melting range ..... 187-189 °C	WG. *2916*	5 g	27,25	23,15	21,80	20,45
3428	***trans*-3,4-Dimethoxycinnamic acid** PROSYNTH® *Acide trans-3-4-diméthoxycinnamique / Acido trans-3,4-dimetoxicinámico* $(CH_3O)_2C_6H_3CH=CHCOOH$ $C_{11}H_{12}O_4$ $M = 208{,}21$ g/mol assay (alkalimetric) ..... 98% melting range ..... 180—182 °C	WG. *2916*	10 g	33,25	28,25	26,60	24,95
0306 3/1A 3.2 2252 2 - 1°C	**1,2-Dimethoxyethane** PROSYNTH® *1-2-Diméthoxyéthane / 1,2-Dimetoxietano* $CH_3OCH_2CH_2OCH_3$ $C_4H_{10}O_2$ $M = 90{,}12$ g/mol **1 L ≈ 0,87 kg** assay (GC) ..... 99% boiling range ..... 84—86 °C refractive index (n_D^{20}) ..... 1,378 R: 11-19-20 S: 9-16-33 disposal: 6	FL. FL. EKL. *2908*	500 ml 2,5 L 25 kg	35,50 141,— price on request	30,20 117,05	28,40 110,—	27,35 105,75
	2,2-Dimethoxyethylamine see Aminoacetaldehyde dimethyl acetal						
	5,8-Dimethoxy-2-methyl-(furano-3',2',6,7-chromone) see Khellin						
	1,2-Dimethoxy-4-nitrobenzene see 4-Nitroveratrole						
	Dimethoxy-α-oxotoluene see Dimethoxybenzaldehyde						
	3,4-Dimethoxyphenethylamine see Homoveratrylamine						
64982	**2,3-Dimethoxyphenol** PROSYNTH® *2-3-Diméthoxyphénol / 2,3-Dimetoxifenol* $(CH_3O)_2C_6H_3OH$ $C_8H_{10}O_3$ $M = 154{,}17$ g/mol **1 L ≈ 1,18 kg** assay (GC) ..... 98% boiling range (bei 23 mbar) ..... 123—125 °C refractive index (n_D^{20}) ..... 1,540 R: 20/21/22 S: 28 disposal: 6	FL. *2908*	5 ml	43,75	37,20	35,—	32,80
64048 A 6.1/13C C 6.1 2811 2	**2,6-Dimethoxyphenol** PROSYNTH® *2-6-Diméthoxyphénol / 2,6-Dimetoxifenol* $(CH_3O)_2C_6H_3OH$ $C_8H_{10}O_3$ $M = 154{,}17$ g/mol assay (GC) ..... 99% melting range ..... 54—56 °C R: 20/21/22 S: 28 disposal: 6	WG. *2908*	10 g	38,25	32,50	30,60	28,70
64983 A 6.1/22 C 6.1 2811 2	**3,5-Dimethoxyphenol** PROSYNTH® *3-5-Diméthoxyphénol / 3,5-Dimetoxifenol* $(CH_3O)_2C_6H_3OH$ $C_8H_{10}O_3$ $M = 154{,}17$ g/mol assay (GC) ..... 99% melting range ..... 40—43 °C R: 20/21/22 S: 28 disposal: 6	WG. *2908*	10 g	31,—	26,35	24,80	23,25

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60144	**3,4-Dimethoxyphenylacetic acid** PROSYNTH® *Acide 3-4-diméthoxyphénylacétique / Acido 3,4-dimetoxifenilacético* $C_6H_3(OCH_3)_2(CH_2COOH)$ $C_{10}H_{12}O_4$ $M = 196{,}20$ g/mol assay (alkalimetric) ..... 98% melting range ..... 94—96 °C	PF. *2916*	100 g	39,25	33,35	31,40	29,
	2,2-Dimethoxy-1-phenylethane see Phenylacetaldehyde dimethyl acetal						
62517 A 3/1A C 3.2 1993 2 -10 °C	**2,2-Dimethoxypropane** PROSYNTH® *2-2-Diméthoxypropane / 2,2-Dimetoxipropano* $(CH_3)_2C(OCH_3)_2$ $C_5H_{12}O_2$ $M = 104{,}15$ g/mol **1 L ≈ 0,85 kg** assay (GC) ..... 98% boiling range ..... 81—83 °C refractive index (n_D^{20}) ..... 1,375 R: 11 S: 7-16 disposal: 6	FL. *2910*	1 L	48,75	41,45	39,—	37,
	2,3-Dimethoxystrychnine see Brucine						
	2,3-Dimethoxystrychnine sulphate see Brucine sulphate						
62518 A 3/3 C 3.3 1993 2 +38 °C	*cis,trans*-**2,5-Dimethoxytetrahydrofuran** PROSYNTH® *cis,trans-2-5-Diméthoxytétrahydrofuranne / cis,trans-2,5-Dimetoxitetrahidrofurano* $\underline{OCH(OCH_3)CH_2CH_2}CHOCH_3$ $C_6H_{12}O_3$ $M = 132{,}16$ g/mol **1 L ≈ 1,03 kg** assay (GC) ..... 98% R: 10 disposal: 6	FL. *2935*	100 ml	44,75	38,05	35,80	33,
	1,4-Dimethyl-7-*iso*-propylazulene see Guaiazulene						
60145 +77 °C	**N,N-Dimethylacetamide** PROSYNTH® *N-N-Diméthylacétamide / N,N-Dimetilacetamida* $CH_3CON(CH_3)_2$ C_4H_9NO $M = 87{,}12$ g/mol **1 L ≈ 0,94 kg** assay (GC) ..... 99% boiling range ..... 164—166 °C refractive index (n_D^{20}) ..... 1,438 R: 20/21-36 S: 26-28-36 disposal: 6	FL. FL. *2925*	500 ml 2,5 L	16,25 62,50	13,80 51,90	13,— 48,75	12, 46,
64539 A 3/1A C 3.2 1993 2 +9 °C	**N,N-Dimethylacetamide dimethyl acetal** PROSYNTH®, stabilized with 5—10% methanol *N,N-Diméthylacétamide diméthylacétal / N,N-Dimetilacetamida dimetilacetal* $CH_3C(OCH_3)_2N(CH_3)_2$ $C_8H_{15}NO_2$ $M = 133{,}19$ g/mol **1 L ≈ 0,91 kg** assay ..... 95% refractive index (n_D^{20}) ..... 1,412 R: 11 S: 9-16-33 disposal: 6	FL. *2910*	25 ml	83,—	70,55	66,40	62,
62007 A 3/4 +63 °C	**Dimethyl acetonedicarboxylate** PROSYNTH® *Diméthyle acétonedicarboxylate / Dimetilo acetondicarboxilato* $CO(CH_2COOCH_3)_2$ $C_7H_{10}O_5$ $M = 174{,}15$ g/mol **1 L ≈ 1,19 kg** assay (alkalimetric) ..... 98% boiling range (at 16 mbar) ..... 126—128 °C refractive index (n_D^{20}) 1,445	FL. *2916*	100 ml	62,50	53,15	50,—	46,

de-Number RID/ADR GGVE/GGVS MDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
012	**Dimethyl acetylenedicarboxylate** PROSYNTH® *Diméthyle acétylènedicarboxylate / Dimetilo acetilenodicarboxilato* $CH_3OCOC{\equiv}CCOOCH_3$ $C_6H_6O_4$ M = 142,11 g/mol **1 L ≈ 1,16 kg** assay (GC) ..... 97% boiling range ..... 195–198 °C refractive index (n_D^{20}) 1,447	FL. *2915*	**100 ml**	159,–	135,15	127,20	119,25
9426	**2,4-Dimethyl-5-acetylthiazole** PROSYNTH® *2-4-Diméthyl-5-acétylthiazole / 2,4-Dimetil-5-acetiltiazol* $SC(CH_3){=}NC(CH_3){=}C(COCH_3)$ C_7H_9NOS M = 155,22 g/mol **1 L ≈ 1,13 kg** assay (GC) 98%	FL. *2935*	**25 ml**	price on request			
	3,3-Dimethylacrylic acid see 3-Methyl-2-butenoic acid						
	N,N-Dimethyladenine see 6-Dimethylaminopurine						
5916 3/5 3.2 1160 2 -0 °C	**Dimethylamine solution** abt. 60% *Diméthylamine en solution / Dimetilamina en solución* $(CH_3)_2NH$ C_2H_7N M = 45,08 g/mol **1 L ≈ 0,80 kg** R: 13-36/37 S: 16-26-29 disposal: 19	FL. STP. F. *2922*	**1 L** **20 kg** **160 kg**	20,75 price on request price on request	17,65	16,60	16,–
5435 3/5 3.2 1160 2 9 °C	**Dimethylamine solution** abt. 40% *Diméthylamine en solution / Dimetilamina en solución* $(CH_3)_2NH$ C_2H_7N M = 45,08 g/mol **1 L ≈ 0,89 kg** R: 13-36/37 S: 16-26-29 disposal: 19	FL. EKL. *2922*	**1 L** **25 kg**	16,– price on request	13,60	12,80	12,30
3129	**4-Dimethylaminoazobenzene** indicator, Reag. Ph. Eur. I (C. I. No. 11020,S. No. 28) *4-Diméthylaminoazobenzène / 4-Dimetilaminoazobenceno* $(CH_3)_2NC_6H_4NNC_6H_5$ $C_{14}H_{15}N_3$ M = 225,30 g/mol	WG. WG. *2928*	**25 g** **100 g**	14,– 38,25	11,90 32,50	11,20 30,60	10,50 28,70
3130	**4-Dimethylaminobenzaldehyde** R. G., Reag. ACS,Reag. Ph. Eur. I *4-Diméthylaminobenzaldéhyde / 4-Dimetilaminobenzaldehido* $(CH_3)_2NC_6H_4CHO$ $C_9H_{11}NO$ M = 149,19 g/mol assay (perchloric acid titration) ..... min. 99% melting range ..... 73–75 °C loss on drying ..... max. 0,5% sulphated ash ..... max. 0,1% iron (Fe) ..... max. 0,001% heavy metals (as Pb) ..... max. 0,001%	PF. PF. PF. *2923*	**25 g** **100 g** **1 kg**	14,– 40,75 308,–	11,90 34,65 261,80	11,20 32,60 246,40	10,50 30,55 237,15
33169 A 2/10B2 C 3.3 1950 +54 °C	**4-Dimethylaminobenzaldehyde** spray reagent for chromatography *4-Diméthylaminobenzaldéhyde / 4-Dimetilaminobenzaldehido* spray box of 330 ml R: 10	*3819*	**1 pack**	19,75	16,80	15,80	14,80
50146	**4-Dimethylaminobenzaldehyde** PROSYNTH® *4-Diméthylaminobenzaldéhyde / 4-Dimetilaminobenzaldehido* $(CH_3)_2NC_6H_4CHO$ $C_9H_{11}NO$ M = 149,19 g/mol assay (GC) ..... 99% melting range ..... 73–74 °C	PF. PF. *2923*	**50 g** **250 g**	13,25 53,50	11,25 45,50	10,60 42,80	9,95 40,15
	Dimethylaminobenzene see Dimethylaniline						

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	9 (10 B
63430	**3-Dimethylaminobenzoic acid** PROSYNTH® *Acide 3-diméthylaminobenzoïque / Acido 3-dimetilaminobenzoico* $(CH_3)_2NC_6H_4COOH$ $C_9H_{11}NO_2$ $M = 165{,}19$ g/mol assay (alkalimetric) ..... 99 % melting range ..... 151 – 153 °C	WG. *2923*	100 g	40,50	34,45	32,40	30
64049	**4-Dimethylaminobenzoic acid** PROSYNTH® *Acide 4-diméthylaminobenzoïque / Acido 4-dimetilaminobenzoico* $(CH_3)_2NC_6H_4COOH$ $C_9H_{11}NO_2$ $M = 165{,}19$ g/mol assay (alkalimetric) ..... 98 % melting range ..... 240 – 243 °C (disint.)	WG. *2923*	50 g	28,50	24,25	22,80	21
63431 A 6.1/21 C 6.1 1935 1	**4-Dimethylaminobenzonitrile** PROSYNTH® *4-Diméthylaminobenzonitrile / 4-Dimetilaminobenzonitrilo* $(CH_3)_2NC_6H_4CN$ $C_9H_{10}N_2$ $M = 146{,}19$ g/mol assay (GC) ..... 98 % melting range ..... 72 – 74 °C R: 20/21/22 S: 28 disposal: 15	WG. *2927*	5 g	32,75	27,85	26,20	24
33132	**5-(4-Dimethylaminobenzylidene)-rhodanine** R. G. *5-(4-Diméthylaminobenzylidène)-rhodanine / 5-(4-Dimetilaminobenciliden)-rodanina* $(CH_3)_2NC_6H_4CH=\underline{C}CONHCS\underline{S}$ $C_{12}H_{12}N_2OS_2$ $M = 264{,}37$ g/mol insoluble in acetone : ..... passes test sulphated ash ..... max. 0,1 % suitability for determination of silver ..... passes test	WG. *2935*	5 g	12,75	10,85	10,20	9
33182	**4-Dimethylaminocinnamic aldehyde** R. G. *Aldéhyde 4-diméthylaminocinnamique / Aldehído 4-dimetilaminocinámico* $(CH_3)_2NC_6H_4CH=CHCHO$ $C_{11}H_{13}NO$ $M = 175{,}23$ g/mol	WG. *2911*	5 g	40,50	34,45	32,40	30
20009	**4-Dimethylamino-2,3-dimethyl-1-phenylpyrazolone-(5)** DAB 7 *4-Diméthylamino-2-3-diméthyl-1-phénylpyrazolone-(5) / 4-Dimetilamino-2,3-dimetil-1-fenilpirazolona-(5)* $C_{13}H_{17}N_3O$ $M = 231{,}30$ g/mol	PF. *2935*	250 g	17,50	14,90	14,—	13
63432	**2-Dimethylaminoethanethiol hydrochloride** PROSYNTH® *2-Diméthylaminoéthanethiole chlorhydrate / 2-Dimetilaminoetantiol clorhidrato* $(CH_3)_2NCH_2CH_2SH \cdot HCl$ $C_4H_{12}ClNS$ $M = 141{,}66$ g/mol assay (iodometric) ..... 96 % melting range ..... 157 – 160 °C	WG. *2931*	25 g	53,—	45,05	42,40	39
	Dimethyl-(2-aminoethyl)amine see N,N-Dimethylethylenediamine						
62752 A 3/4 +64 °C	**2-Dimethylaminoethyl methacrylate** PROSYNTH® stabilized with hydroquinone monomethyl ether (2 g/l) *2-Diméthylaminoéthyle méthacrylate / 2-Dimetilaminoetilo metacrilato* $CH_2=C(CH_3)COOCH_2CH_2N(CH_3)_2$ $C_8H_{15}NO_2$ $M = 157{,}21$ g/mol **1 L ≈ 0,94 kg** assay (GC) ..... 98 % boiling range ..... 188 – 190 °C refractive index (n_D^{20}) ..... 1.439 R: 21/22-36/38 S: 26-28 disposal: 6	FL. *2923*	250 ml	24,—	20,40	19,20	18

refer explanations

le-Number D/ADR GVE/GGVS MDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
520	**3-(Dimethylaminomethyl)indole** PROSYNTH® *3-(Diméthylaminométhyl)indole / 3-(Dimetilaminometil)indol* $C_6H_4NHCH=CCH_2N(CH_3)_2$ $C_{11}H_{14}N_2$ M = 174,25 g/mol assay (ex N) ..... 99% melting range ..... 132–134 °C	WG. *2935*	25 g	16,50	14,05	13,20	12,40
433 .3 1987 2 7 °C	**2-Dimethylamino-2-methylpropanol-(1)** PROSYNTH® *2-Diméthylamino-2-méthylpropanol-(1) / 2-Dimetilamino-2-metilpropanol-(1)* $(CH_3)_2NC(CH_3)_2CH_2OH$ $C_6H_{15}NO$ M = 117,19 g/mol 1 L ≈ 0,91 kg assay (ex N) 96%	FL. *2923*	100 ml	23,–	19,55	18,40	17,25
3186	**5-Dimethylaminonaphthalenesulphonyl-1-chloride (DANSYL-chloride)** *Acide 5-diméthylaminonaphtalènesulfonique-1-chlorure (DANSYL-chlorure) / Acido 5-dimetilaminonaftalinsulfónico-1-cloruro (DANSYL-cloruro)* $(CH_3)_2NC_{10}H_6SO_2Cl$ $C_{12}H_{12}ClNO_2S$ M = 269,75 g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	FL. *2922*	1 g	45,–	38,25	36,–	33,75
4540	**3-(Dimethylamino) phenol** PROSYNTH® *Diméthylamino-3-phénol / 3-(Dimetilamino) fenol* $(CH_3)_2NC_6H_4OH$ $C_8H_{11}NO$ M = 137,18 g/mol assay (GC) ..... 98% melting range ..... 81–83 °C R: 20/21/22 S: 28 disposal: 19	WG. *2923*	100 g	30,25	25,70	24,20	22,70
	4-(4'-Dimethylaminophenylazo)-benzene-1-sulphonic acid sodium salt see Methyl orange						
	2-(4'-Dimethylaminophenylazo)-benzoic acid see Methyl red						
	2-(4'-Dimethylaminophenylazo)-benzoic acid sodium salt see Methyl red sodium salt						
2070	**4-Dimethylamino-1-phenyl-2,3-dimethyl- pyrazolone-(5)+8-Hydroxyquinoline-5-sulphonic acid** *4-Diméthylamino-1-phényl-2-3-diméthyl- pyrazolone-(5)+ acide 8-hydroxyquinoléine sulfonique-(5) / 4-Dimetilamino-1-fenil-2,3-dimetil- pirazolona-(5)+ acido 8-hidroxiquinolinasulfónico-(5)*	WG. FTP. *3003*	1 kg 50 kg	66,–	56,10 price on request	52,80	50,80
5451 8/35 3.3 1993 2 -26 °C	**1-Dimethylaminopropanol-(2)** *1-Diméthylaminopropanol-(2) / 1-Dimetilaminopropanol-(2)* $CH_3CH(OH)CH_2N(CH_3)_2$ $C_5H_{13}NO$ M = 103,16 g/mol 1 L ≈ 0,85 kg assay (GC) ..... 99% boiling range ..... 123–126 °C density (D_4^{20}) 0,849–0,852	FL. *2923*	1 L	38,25	32,50	30,60	29,45
52521 8/35 3.3 1993 2 -41 °C	**3-Dimethylaminopropanol-(1)** PROSYNTH® *3-Diméthylaminopropanol-(1) / 3-Dimetilaminopropanol-(1)* $(CH_3)_2N(CH_2)_3OH$ $C_5H_{13}NO$ M = 103,16 g/mol 1 L ≈ 0,88 kg assay (GC) ..... 98% boiling range ..... 162–164 °C refractive index (n_D^{20}) ..... 1,436 R: 10 disposal: 6	FL. *2923*	100 ml	22,–	18,70	17,60	16,50

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96 (16 Bo
	3-Dimethylaminopropionic acid nitrile see 3-Dimethylaminopropionitrile						
62522 A 6.1/11A C 6.1 1935 1 +64 °C	**3-Dimethylaminopropionitrile** PROSYNTH® *3-Diméthylaminopropionitrile / 3-Dimetilaminopropionitrilo* $(CH_3)_2NCH_2CH_2CN$ $C_5H_{10}N_2$ $M = 98{,}15$ g/mol **1 L ≈ 0,87 kg** assay (GC) ..... 98% boiling range (at 13 mbar) ..... 59–62 °C refractive index (n_D^{20}) ..... 1,426 R: 23/24/25 S: 44 disposal: 15	FL. *2927*	1 L	74,—	62,90	59,20	57
15503 A 8/35 C 3.3 1993 2 +32 °C	**3-Dimethylaminopropylamine** *3-Diméthylaminopropylamine / 3-Dimetilaminopropilamina* $(CH_3)_2N(CH_2)_3NH_2$ $C_5H_{14}N_2$ $M = 102{,}18$ g/mol **1 L ≈ 0,82 kg** assay (GC) ..... 99% R: 36/37/38 S: 26 disposal: 19	FL. STP. *2922*	1 L 45 kg	25,75 price on request	21,90	20,60	19
39351	**6-Dimethylaminopurine** BIOSYNTH® (N,N-Dimethyladenine) *6-Diméthylaminopurine / 6-Dimetilaminopurina* package of 500 mg $C_7H_9N_5$ $M = 163{,}18$ g/mol	*2935*	1 pack	59,—	50,15	47,20	44
64541	**4-(Dimethylamino)-pyridine** PROSYNTH® *Diméthylamino-4-pyridine / 4-(Dimetilamino)-piridina* $(CH_3)_2N{-}C{=}CHCH{=}NCH{=}C{-}H$ $C_7H_{10}N_2$ $M = 122{,}17$ g/mol assay (GC) ..... 98% melting range ..... 110–113 °C	WG. *2935*	10 g	27,25	23,15	21,80	20
	2-[4-(Dimethylamino)-styrene]-ethylcholine iodide see Quinaldine red						
15439 A 6.1/21P C 6.1 2253 2	**N,N-Dimethylaniline** *N-N-Diméthylaniline / N,N-Dimetilanilina* $C_6H_5N(CH_3)_2$ $C_8H_{11}N$ $M = 121{,}18$ g/mol **1 L ≈ 0,95 kg** assay (GC) ..... 99,5% boiling range ..... 191–194 °C density (D_4^{20}) ..... 0,955–0,957 refractive index (n_D^{20}) ..... 1,5570–1,5590 R: 23/24/25-33 S: 28-37-44 disposal: 19	FL. FL. EKS. F. *2922*	500 ml 1 L 35 kg 190 kg	10,25 17,50 price on request price on request	8,70 14,90	8,20 14,—	7 13
63881 A 6.1/21P C 6.1 2810 2	**2,3-Dimethylaniline** PROSYNTH® *2-3-Diméthylaniline / 2,3-Dimetilanilina* $(CH_3)_2C_6H_3NH_2$ $C_8H_{11}N$ $M = 121{,}18$ g/mol **1 L ≈ 0,99 kg** assay (GC) ..... 99% boiling range (at 11 mbar) ..... 93–95 °C refractive index (n_D^{20}) ..... 1,568 R: 23/24/25-33 S: 28-36/37-44 disposal: 19	FL. *2922*	250 ml	29,75	25,30	23,80	22
63934 A 6.1/21P C 6.1 2810 2	**2,4-Dimethylaniline** PROSYNTH® *2-4-Diméthylaniline / 2,4-Dimetilanilina* $(CH_3)_2C_6H_3NH_2$ $C_8H_{11}N$ $M = 121{,}18$ g/mol **1 L ≈ 0,98 kg** assay (GC) ..... 99% boiling range (at 8 mbar) ..... 78–80 °C refractive index (n_D^{20}) ..... 1,558 R: 23/24/25-33 S: 28-36/37-44 disposal: 19	FL. *2922*	1 L	52,50	44,65	42,—	40

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*935 6.1/21P 6.1 2810 2	**2,5-Dimethylaniline** PROSYNTH® *2-5-Diméthylaniline / 2,5-Dimetilanilina* $(CH_3)_2C_6H_3NH_2$ $C_8H_{11}N$ $M = 121{,}18$ g/mol **1 L ≈ 0,97 kg** assay (GC) ..... 99% boiling range ..... 213—215 °C refractive index (n_D^{20}) ..... 1,559 R: 23/24/25-33 S: 28-36/37-44 disposal: 19	FL. *2922*	250 ml	22,—	18,70	17,60	16,50
*3936 6.1/21P 6.1 2810 2	**2,6-Dimethylaniline** PROSYNTH® *2-6-Diméthylaniline / 2,6-Dimetilanilina* $(CH_3)_2C_6H_3NH_2$ $C_8H_{11}N$ $M = 121{,}18$ g/mol **1 L ≈ 0,98 kg** assay (GC) ..... 99% boiling range (at 11 mbar) ..... 83—85 °C refractive index (n_D^{20}) ..... 1,560 R: 23/24/25-33 S: 28-36/37-44 disposal: 19	FL. *2922*	1 L	95,50	81,20	76,40	73,55
*3937 6.1/21P 6.1 1711 2	**3,4-Dimethylaniline** PROSYNTH® *3-4-Diméthylaniline / 3,4-Dimetilanilina* $(CH_3)_2C_6H_3NH_2$ $C_8H_{11}N$ $M = 121{,}18$ g/mol assay (GC) ..... 99% melting range ..... 48—50 °C R: 23/24/25-33 S: 28-36/37-44 disposal: 19	PF. *2922*	250 g	30,75	26,15	24,60	23,05
	Dimethylbenzene see Xylene						
*2524	**5,6-Dimethylbenzimidazole** PROSYNTH® *5-6-Diméthylbenzimidazole / 5,6-Dimetilbenzimidazol* $(CH_3)_2C_6H_2N=CHNH$ $C_9H_{10}N_2$ $M = 146{,}19$ g/mol assay ..... 99% melting range ..... 204—206 °C	WG. *2935*	10 g	12,—	10,20	9,60	9,—
*4987	**2,4-Dimethylbenzoic acid** PROSYNTH® *Acide 2-4-diméthylbenzoïque / Acido 2,4-dimetilbenzoico* $(CH_3)_2C_6H_3COOH$ $C_9H_{10}O_2$ $M = 150{,}18$ g/mol assay (alkalimetric) ..... 98% melting range ..... 124—126 °C	WG. *2914*	10 g	30,—	25,50	24,—	22,50
*4988	**3,4-Dimethylbenzoic acid** PROSYNTH® *Acide 3-4-diméthylbenzoïque / Acido 3,4-dimetilbenzoico* $(CH_3)_2C_6H_3COOH$ $C_9H_{10}O_2$ $M = 150{,}18$ g/mol assay (alkalimetric) ..... 97% melting range ..... 163—165 °C	WG. *2914*	25 g	29,75	25,30	23,80	22,30
*3434	**3,5-Dimethylbenzoic acid** PROSYNTH® *Acide 3-5-diméthylbenzoïque / Acido 3,5-dimetilbenzoico* $(CH_3)_2C_6H_3COOH$ $C_9H_{10}O_2$ $M = 150{,}18$ g/mol assay (alkalimetric) ..... 98% melting range ..... 167—170 °C	WG. *2914*	10 g	23,—	19,55	18,40	17,25
*4053	**2,5-Dimethylbenzophenone** PROSYNTH® *2-5-Diméthylbenzophénone / 2,5-Dimetilbenzofenona* $(CH_3)_2C_6H_3COC_6H_5$ $C_{15}H_{14}O$ $M = 210{,}28$ g/mol assay (GC) ..... 98% melting range ..... 32—34 °C	FL. *2913*	100 g	38,25	32,50	30,60	28,70

FIXANAL® preparations for standard solutions

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96 (16 Bo
64054	**3,4-Dimethylbenzophenone** PROSYNTH® *3-4-Diméthylbenzophénone / 3,4-Dimetilbenzofenona* $(CH_3)_2C_6H_3COC_6H_5$ $C_{15}H_{14}O$ $M = 210{,}28$ g/mol assay (GC) ..... 98% melting range ..... 45—47 °C	WG. *2913*	100 g	60,—	51,—	48,—	45
	N,N-Dimethylbenzylamine see N-Benzyldimethylamine						
60328	**1,1-Dimethylbiguanide hydrochloride** PROSYNTH® *1-1-Diméthylbiguanide chlorhydrate / 1,1-Dimetilbiguanida clorhidrato* $(CH_3)_2NC(NH)NHC(NH)NH_2 \cdot HCl$ $C_4H_{12}ClN_5$ $M = 165{,}63$ g/mol assay (ex Cl) ..... 98% melting range ..... 221—223 °C	WG. *2926*	100 g	16,50	14,05	13,20	12
64527	**Dimethyl biphenyl-4,4'-dicarboxylate** PROSYNTH® *Diméthyl biphényl-4-4'-dicarboxylate / Dimetil bifenil-4,4-dicarboxilato* $CH_3OCOC_6H_4C_6H_4COOCH_3$ $C_{16}H_{14}O_4$ $M = 270{,}28$ g/mol assay (GC) ..... 97% melting range ..... 214—217 °C	WG. *2915*	5 g	37,25	31,65	29,80	27
	1,1'-Dimethyl-4,4'-bipyridinium dichloride see Methyl viologen						
64350 A 6.1/61H C 6.1 2810 3	**Dimethyl bromomalonate** PROSYNTH® *Diméthyle bromomalonate / Dimetilo bromomalonato* $BrCH(COOCH_3)_2$ $C_5H_7BrO_4$ $M = 211{,}01$ g/mol **1 L ≈ 1,64 kg** assay (GC) ..... 98% boiling range (at 15 mbar) ..... 105—108 °C	FL. *2915*	25 ml	42,75	36,35	34,20	32
63827 A 3/1A C 3.1 1268 2 -32 °C	**2,2-Dimethylbutane** PROSYNTH® *2-2-Diméthylbutane / 2,2-Dimetilbutano* $C_2H_5C(CH_3)_3$ C_6H_{14} $M = 86{,}18$ g/mol **1 L ≈ 0,65 kg** assay (GC) ..... 96% boiling range ..... 48—50 °C refractive index (n_D^{20}) ..... 1,369 R: 11 S: 9-16-33 disposal: 6	FL. *2901*	100 ml	28,50	24,25	22,80	21
63435 A 3/1A C 3.1 1268 2 -29 °C	**2,3-Dimethylbutane** PROSYNTH® *2-3-Diméthylbutane / 2,3-Dimetilbutano* $(CH_3)_2CHCH(CH_3)_2$ C_6H_{14} $M = 86{,}18$ g/mol **1 L ≈ 0,66 kg** assay (GC) ..... 98% boiling range ..... 58—60 °C refractive index (n_D^{20}) ..... 1,375 R: 11 S: 9-16-33 disposal: 6	FL. *2901*	100 ml	45,25	38,45	36,20	33
62525	**2,3-Dimethylbutanediol-(2,3)** PROSYNTH® *2-3-Diméthylbutanediol-(2-3) / 2,3-Dimetilbutanodiol-(2,3)* $HOC(CH_3)_2C(CH_3)_2OH$ $C_6H_{14}O_2$ $M = 118{,}18$ g/mol assay (GC) ..... 98% melting range ..... 39—42 °C	FL. *2904*	1 kg	249,—	211,65	199,20	191
	2,2-Dimethylbutanoic-4 acid see 3,3-Dimethylbutyric acid						

de-Number / ID/ADR / GVE/GGVS / MDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
436 /3 .3 1987 2 5 °C	**2,3-Dimethylbutanol-(2)** PROSYNTH® *2-3-Diméthylbutanol-(2) / 2,3-Dimetilbutanol-(2)* $(CH_3)_2CHC(CH_3)_2OH$ $C_6H_{14}O$ $M = 102{,}18$ g/mol **1 L ≈ 0,82 kg** assay (GC) ..... 95% refractive index (n_D^{20}) ..... 1,418 R: 10 disposal: 6	FL. 2904	25 ml	65,—	55,25	52,—	48,75
467 3/3 .3 1993 2 28 °C	**2,3-Dimethyl-2-butene** PROSYNTH® *2-3-Diméthyl-2-butène / 2,3-Dimetil-2-buteno-(2)* $CH_3C(CH_3) = C(CH_3)CH_3$ C_6H_{12} $M = 84{,}16$ g/mol **1 L ≈ 0,71 kg** assay (GC) ..... 98% boiling range ..... 72—74 °C refractive index (n_D^{20}) ..... 1,412 R: 11 S: 9-16-33 disposal: 6	FL. 2901	50 ml	102,50	87,15	82,—	76,90
4973 3/1A 3.2 1993 2 4 °C	**3,3-Dimethyl-1-butene** PROSYNTH® *3-3-Diméthyl-1-butène / 3,3-Dimetil-1-buteno* $(CH_3)_3CCH = CH_2$ C_6H_{12} $M = 84{,}16$ g/mol **1 L ≈ 0,65 kg** assay (GC) ..... 97% boiling range ..... 39—41 °C refractive index (n_D^{20}) ..... 1,377 R: 11 S: 9-16-33 disposal: 6	FL. 2901	100 ml	39,25	33,35	31,40	29,45
2526 3/4 83 °C	**3,3-Dimethylbutyric acid** PROSYNTH® *Acide diméthyl-3-3-butyrique / Acido 3,3-dimetilbutírico* $(CH_3)_3CCH_2COOH$ $C_6H_{12}O_2$ $M = 116{,}16$ g/mol **1 L ≈ 0,91 kg** assay (alkalimetric) ..... 99% boiling range ..... 186—189 °C refractive index (n_D^{20}) 1,410	FL. 2914	25 ml	26,75	22,75	21,40	20,05
0392 6.1/4B 8 1760 2	**Dimethylcarbamoyl chloride** PROSYNTH® *Diméthylcarbamoyle chlorure / Dimetilcarbamoilo cloruro* $(CH_3)_2NCOCl$ C_3H_6ClNO $M = 107{,}54$ g/mol **1 L ≈ 1,17 kg** assay (ex Cl) ..... 99% boiling range (at 15 mbar) ..... 55—57 °C refractive index (n_D^{20}) ..... 1,454 R: 23/24/25 S: 44 disposal: 7	FL. 2914	100 ml	16,50	14,05	13,20	12,40
2527 3/1A 3.2 1161 2 -16 °C	**Dimethyl carbonate** PROSYNTH® *Diméthyle carbonate / Dimetilo carbonato* $(CH_3O)_2CO$ $C_3H_6O_3$ $M = 90{,}08$ g/mol **1 L ≈ 1,07 kg** assay (GC) ..... 99% boiling range ..... 89—91 °C refractive index (n_D^{20}) ..... 1,369 R: 11-20/21/22 S: 9-29 disposal: 6	FL. 2921	1 L	59,—	50,15	47,20	45,45
3828 3/1A 3.2 2263 2 -9 °C	*cis,trans*-**1,2-Dimethylcyclohexane** PROSYNTH® *cis, trans-Diméthyl-1-2-cyclohexane / cis, trans-1,2-Dimetilciclohexano* $C_6H_{10}(CH_3)_2$ C_8H_{16} $M = 112{,}21$ g/mol **1 L ≈ 0,78 kg** assay (GC) ..... 99% R: 11 S: 9-16-33 disposal: 6	FL. 2901	250 ml	56,50	48,05	45,20	42,40

HYDRANAL® a new Karl Fischer reagent

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63829 A 3/1A C 3.2 2263 2 +6 °C	***cis,trans*-1,3-Dimethylcyclohexane** PROSYNTH® *cis, trans-Diméthyl-1-3-cyclohexane / cis, trans-1,3-Dimetilciclohexano* $C_6H_{10}(CH_3)_2$ C_8H_{16} $M = 112{,}21$ g/mol **1 L ≈ 0,77 kg** assay (GC) ..... 95% keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 11 S: 9-16-33 disposal: 6	FL. *2901*	250 ml	29,50	25,10	23,60	22
63830 A 3/1A C 3.2 2263 2 +5 °C	***cis,trans*-1,4-Dimethylcyclohexane** PROSYNTH® *cis,trans-Diméthyl-1-4-cyclohexane / cis, trans-1,4-Dimetilciclohexano* $C_6H_{10}(CH_3)_2$ C_8H_{16} $M = 112{,}21$ g/mol **1 L ≈ 0,78 kg** assay (GC) ..... 99% R: 11 S: 9-16-33 disposal: 6	FL. *2901*	100 ml	24,75	21,05	19,80	18
	5,5-Dimethylcyclohexanedione-(1,3) see Dimedone						
63831 A 3/4	**2,3-Dimethylcyclohexanol** mixture of stereoisomers PROSYNTH® *Diméthyl-2-3-cyclohexanol / 2,3-Dimetilciclohexanol* $(CH_3)_2C_6H_9OH$ $C_8H_{16}O$ $M = 128{,}21$ g/mol **1 L ≈ 0,93 kg** assay (GC) 99%	FL. *2905*	25 ml	27,25	23,15	21,80	20
63832 A 3/4	**2,4-Dimethylcyclohexanol** mixture of stereoisomers PROSYNTH® *Diméthyl-2-4-cyclohexanol / 2,4-Dimetilciclohexanol* $(CH_3)_2C_6H_9OH$ $C_8H_{16}O$ $M = 128{,}21$ g/mol **1 L ≈ 0,90 kg** assay (GC) 95%	FL. *2905*	25 ml	27,—	22,95	21,60	20
62530 A 3/4	**2,6-Dimethylcyclohexanol** mixture of stereoisomers PROSYNTH® *Diméthyl-2-6-cyclohexanol / 2,6-Dimetilciclohexanol* $(CH_3)_2C_6H_9OH$ $C_8H_{16}O$ $M = 128{,}21$ g/mol **1 L ≈ 0,94 kg** assay (GC) 99%	FL. *2905*	100 ml	71,—	60,35	56,80	53
63834 A 3/4 +70 °C	**3,4-Dimethylcyclohexanol** mixture of stereoisomers PROSYNTH® *Diméthyl-3-4-cyclohexanol / 3,4-Dimetilciclohexanol* $(CH_3)_2C_6H_9OH$ $C_8H_{16}O$ $M = 128{,}21$ g/mol **1 L ≈ 0,92 kg** assay (GC) 98%	FL. *2905*	100 ml	27,25	23,15	21,80	20
63835 A 3/4 +74 °C	**3,5-Dimethylcyclohexanol** mixture of stereoisomers PROSYNTH® *Diméthyl-3-5-cyclohexanol / 3,5-Dimetilciclohexanol* $(CH_3)_2C_6H_9OH$ $C_8H_{16}O$ $M = 128{,}21$ g/mol **1 L ≈ 0,90 kg** assay (GC) 99%	FL. *2905*	25 ml	25,25	21,45	20,20	18
65136 A 3/3 C 3.3 1224 2 +38 °C	**2,6-Dimethylcyclohexanone** mixture of isomers PROSYNTH® *Diméthyl-2-6-cyclohexanone / 2,6-Dimetilciclohexanona* $OCCH(CH_3)(CH_2)_3CHCH_3$ $C_8H_{14}O$ $M = 126{,}20$ g/mol **1 L ≈ 0,91 kg** assay (GC) ..... 98% boiling range ..... 174—176 °C refractive index (n_D^{20}) ..... 1,446 R: 10 disposal: 6	FL. *2913*	50 ml	42,—	35,70	33,60	31

refer explanations

le-Number D/ADR GVE/GGVS MDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
504 /35 2264 2 3 °C	**N,N-Dimethylcyclohexylamine** *N-N-Diméthylcyclohexylamine / N,N-Dimetilciclohexilamina* $C_6H_{11}N(CH_3)_2$ $C_8H_{17}N$ $M = 127{,}23$ g/mol **1 L ≈ 0,85 kg** assay (GC) ..... 99 % boiling range ..... 162—165 °C density (D_4^{20}) ..... 0,845—0,850 refractive index (n_D^{20}) ..... 1,4540—1,4550 R: 10-36/37/38 S: 28 disposal: 19	FL. EKL. F. *2922*	1 L 25 kg 180 kg	26,— price on request price on request	22,10	20,80	20,—
	1,1'-Dimethyl-1,1'-dicyanazoethane see α,α'-Azo-*iso*-butyronitrile						
	Dimethyldiglycol see Diethylen glycol dimethyl ether						
	Dimethyldigol see Diethylene glycol dimethyl ether						
	5,5-Dimethyldihydroresorcinol see Dimedone						
5175	**Dimethyl 2,5-dioxo-1,4-cyclohexanedicarboxylate** PROSYNTH® (Dimethylcuccinylsuccinate) *Diméthyl 2-5-dioxo-1-4-cyclohexanedicarboxylate / Dimetilo 2,5-dioxo-1,4-ciclohexanodicarboxilato* $CH_3OOCC{=}(OH)CH_2C(COOCH_3){=}C(OH)CH_2$ $C_{10}H_{12}O_6$ $M = 228{,}20$ g/mol assay ..... 97 % melting range ..... 155—157 °C	WG. *2915*	100 g	38,25	32,50	30,60	28,70
	2,9-Dimethyl-4,7-diphenyl-1,10-phenanthroline see Bathocuproin						
	2,9-Dimethyl-4,7-diphenyl-1,10-phenanthrolinedisulphonic acid disodium salt see Bathocuproin disulphonic acid disodium salt						
2531 3/1A 3.2 2381 2 15 °C	**Dimethyl disulphide** PROSYNTH® *Diméthyle disulfure / Dimetilo disulfuro* CH_3SSCH_3 $C_2H_6S_2$ $M = 94{,}20$ g/mol **1 L ≈ 1,06 kg** assay (GC) ..... 98 % boiling range ..... 108—110 °C refractive index (n_D^{20}) 1,526	FL. *2931*	1 L	55,50	47,20	44,40	42,75
5084	**Dimethyldodecylethylammonium bromide** *Diméthyldodécyléthylammonium bromure / Dimetildodeciletilamonio bromuro* $[CH_3(CH_2)_{11}N^{\oplus}(C_2H_5)(CH_3)_2]^+Br^-$ $C_{16}H_{36}BrN$ $M = 322{,}37$ g/mol	FL. *2931*	1 L	price on request			
5448 8/35 3.3 2051 2 38 °C	**N,N-Dimethylethanolamine** *N-N-Diméthyléthanolamine / N,N-Dimetiletanolamina* $(CH_3)_2NCH_2CH_2OH$ $C_4H_{11}NO$ $M = 89{,}14$ g/mol **1 L ≈ 0,89 kg** assay (GC) ..... 99 % boiling range ..... 133,5—135,5 °C density (D_4^{20}) ..... 0,887—0,889 refractive index (n_D^{20}) ..... 1,4290—1,4300 R: 10-36/37/38 S: 28 disposal: 19	FL. STP. F. *2923*	1 L 25 kg 180 kg	27,25 price on request price on request	23,15	21,80	21,—
	Dimethylethinylcarbinol see 2-Methyl-3-butyn-2-ol						

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62519 A 3/5 C 3.2 1993 2 +12 °C	**N,N-Dimethylethylenediamine** PROSYNTH® *N-N-Diméthyléthylènediamine / N,N-Dimetiletilendiamina* $(CH_3)_2NCH_2CH_2NH_2$ $C_4H_{12}N_2$ $M = 88{,}15$ g/mol **1 L ≈ 0,81 kg** assay (GC) ..... 97 % boiling range ..... 105—108 °C refractive index (n_D^{20}) ..... 1,426 R: 11-36/37 S: 16-26-29 disposal: 19	FL. *2922*	**100 ml**	90,—	76,50	72,—	6
63438 A 8/35 C 3.3 1993 2 +26 °C	**N,N'-Dimethylethylenediamine** PROSYNTH® *N-N'-Diméthyléthylènediamine / N,N'-Dimetiletilendiamina* $CH_3NHCH_2CH_2NHCH_3$ $C_4H_{12}N_2$ $M = 88{,}15$ g/mol **1 L ≈ 0,82 kg** assay (GC) ..... 95 % boiling range ..... 115—118 °C refractive index (n_D^{20}) ..... 1,430 R: 10-36/37/38 S: 28 disposal: 19	FL. *2922*	**25 ml**	26,75	22,75	21,40	2
02884	**Dimethylethylhexadecylammonium bromide** *Diméthyléthylhexadécylammonium bromure /* *Dimetiletilhexadecilamonio bromuro* $[CH_3(CH_2)_{15}N^{\oplus}(CH_2CH_3)(CH_3)_2]^+Br^-$ $C_{20}H_{44}BrN$ $M = 378{,}48$ g/mol assay ..... 98 %	WG. *2924*	**100 g**	43,25	36,75	34,60	3
61301 A 3/3 C 3.3 1993 2 +33 °C	**2,3-Dimethylfluorobenzene** PROSYNTH® *2-3-Diméthylfluorobenzène / 2,3-Dimetilfluorobenceno* $(CH_3)_2C_6H_3F$ C_8H_9F $M = 124{,}16$ g/mol **1 L ≈ 1,00 kg** assay (GC) ..... 99 % boiling range ..... 146—148 °C R: 10 disposal: 7	FL. *2902*	**25 ml**	102,50	87,15	82,—	7
34903 C 6.1 2265 3 +58 °C	**N,N-Dimethylformamide** SPECTRANAL® *N-N-Diméthylformamide / N,N-Dimetilformamida* $HCON(CH_3)_2$ C_3H_7NO $M = 73{,}09$ g/mol **1 L ≈ 0,95 kg** assay (GC) ..... min. 99,7 % water (according to Karl Fischer) ..... max. 0,03 % suitability for UV spectroscopy transmittance (1 cm cell/reference: water) transmittance/wavelength (nm): min. 30 %/270, min. 72 %/280, min. 90 %/300, min. 95/320, min. 98 %/from 330 suitability for IR spectroscopy ..... passes test R: 20/21-36 S: 26-28-36 disposal: 14	FL. FL. *2925*	**1 L** **2,5 L**	55,50 120,—	47,20 99,60	44,40 93,60	4 9
34489 C 6.1 2265 3 +58 °C	**N,N-Dimethylformamide** PESTANAL® *N,N-Diméthylformamide / N,N-Dimetilformamida* $HCON(CH_3)_2$ C_3H_7NO $M = 73{,}09$ g/mol **1 L ≈ 0,95 kg** assay (GC) ..... min. 99,8 % water (according to Karl Fischer) ..... max. 0,05 % suitability for residue analysis: Traceable accompanying substances (GC/ECD) (column 0,5 m, glass capillary ∅ 3 mm Silicon TLC 200 on Chromosorb® 100/200) show in the retention volum zones between Pentachlorobenzene, α-HCH, Aldrin and DDT a peak of $< 5 \cdot 10^{-10}$ % ≙ 5 ng/l. R: 20/21-36 S: 26-28-36 disposal: 14	FL. FL. *2925*	**1 L** **2,5 L**	51,50 107,50	43,80 89,25	41,20 83,85	3 8

e-Number / D/ADR / SVE/GGVS / DG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
40 2265 3 °C	**N,N-Dimethylformamide** *N-N-Diméthylformamide / N,N-Dimetilformamida* $HCON(CH_3)_2$ C_3H_7NO $M = 73{,}09$ g/mol **1 L ≈ 0,95 kg** assay (GC) ..... 99% boiling range ..... 152—154 °C density (D_4^{20}) ..... 0,948—0,950 refractive index (n_D^{20}) ..... 1,4290—1,4310 water (according to Karl Fischer) ..... 0,1% R: 20/21-36 S: 26-28-36 disposal: 14	FL. FL. EKL. F. *2925*	1 L 2,5 L 30 kg 180 kg	24,75 51,50 kg kg	21,05 42,75 7,70 6,30	19,30 40,15	18,30 38,65
046 1 2265 3 °C	**N,N-Dimethylformamide-d_7** deuteration degree not less than 99 atom % D *N-N-Diméthylformamide-d_7 / N,N-Dimetilformamida-d_7* $DCON(CD_3)_2$ C_3D_7NO $M = 80{,}04$ g/mol **1 L ≈ 0,95 kg** R: 20/21-36 S: 26-28-36 disposal: 14	A. *2851*	5 ml	240,—	204,—	192,—	180,—
550 /1A 2 1993 2 °C	**N,N-Dimethylformamide diethyl acetal** PROSYNTH® *N,N-Diméthylformamide diéthylacétal / N,N-Dimetilformamida dietilacetal* $(CH_3)_2NCH(OCH_2CH_3)_2$ $C_7H_{17}NO_2$ $M = 147{,}22$ g/mol **1 L ≈ 0,86 kg** assay (GC) ..... 97% boiling range ..... 130—133 °C refractive index (n_D^{20}) ..... 1,400 R: 11 S: 9-16-33 disposal: 6	FL. *2910*	25 ml	50,50	42,95	40,40	37,90
551 /1A .2 1993 2 °C	**N,N-Dimethylformamide dimethyl acetal** PROSYNTH® *N-N-Diméthylformamide diméthylacétal / N,N-Dimetilformamida dimetilacetal* $(CH_3)_2NCH(OCH_3)_2$ $C_5H_{13}NO_2$ $M = 119{,}16$ g/mol **1 L ≈ 0,90 kg** assay (GC) ..... 93% boiling range (at 960 mbar) ..... 102—104 °C refractive index (n_D^{20}) ..... 1,396 R: 11 S: 9-16-33 disposal: 6	FL. *2910*	25 ml	45,25	38,45	36,20	33,95
9083	**Dimethyl L-glutamate hydrochloride** BIOSYNTH® *Diméthyle L-glutamate chlorhydrate / Dimetilo L-glutamato clorhidrato* $CH_3OCOCH_2CH_2CH(NH_2)COOCH_3 \cdot HCl$ $C_7H_{14}ClNO_4$ $M = 211{,}64$ g/mol assay (ex Cl) ..... 96% specific rotation ($[\alpha]_D^{20}$; c = 5 in CH_3OH) ..... +25° ± 2°	WG. *2923*	5 g	35,—	29,75	28,—	26,25
3836	**2,4-Dimethylglutaric acid** PROSYNTH® *Acide 2-4-diméthylglutarique / Acido 2,4-dimetilglutárico* $HOOCCH(CH_3)CH_2CH(CH_3)COOH$ $C_7H_{12}O_4$ $M = 160{,}17$ g/mol assay (alkalimetric) 99%	WG. *2915*	5 g	37,25	31,65	29,80	27,95
2532	**3,3-Dimethylglutaric acid** PROSYNTH® *Acide 3-3-diméthylglutarique / Acido 3,3-dimetilglutárico* $HOOCCH_2C(CH_3)_2CH_2COOH$ $C_7H_{12}O_4$ $M = 160{,}17$ g/mol assay (alkalimetric) ..... 99% melting range ..... 100—102 °C	WG. *2915*	25 g	26,75	22,75	21,40	20,05
	1,2-Dimethylglyoxaline see 1,2-Dimethylimidazole						

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33133	**Dimethylglyoxime** R. G., Reag. ACS *Diméthylglyoxime / Dimetilglioxima* $CH_3C(NOH)C(NOH)CH_3$ $C_4H_8N_2O_2$ $M = 116{,}12$ g/mol assay ..... min. 99% melting range ..... 240—241 °C insoluble in ethanol ..... max. 0,02% sulphated ash ..... max. 0,05% suitability for precipitation of nickel ..... passes test	PF. PF. PF. *2929*	25 g 100 g 500 g	8,— 23,25 95,50	6,80 19,75 81,20	6,40 18,60 76,40	6 17 73
15441	**Dimethylglyoxime** chem. pure *Diméthylglyoxime / Dimetilglioxima* $CH_3C(NOH)C(NOH)CH_3$ $C_4H_8N_2O_2$ $M = 116{,}12$ g/mol assay ..... 98,5% melting point ..... 240 °C sulphated ash 0,05%	PF. PF. *2929*	100 g 1 kg	24,— 181,—	20,40 153,85	19,20 144,80	18 139
15442	**Dimethylglyoxime** technical *Diméthylglyoxime / Dimetilglioxima* $CH_3C(NOH)C(NOH)CH_3$ $C_4H_8N_2O_2$ $M = 116{,}12$ g/mol assay ..... 94—96%	PF. FTP. *2929*	500 g 50 kg	40,25 price on request	34,20	32,20	31
33134	**Dimethylglyoxime disodium salt octahydrate** R. G., water soluble *Diméthylglyoxime sel disodique octahydrate / Dimetilglioxima sal disódica octahidrato* $CH_3C(NONa)C(NONa)CH_3 \cdot 8H_2O$ $C_4H_6N_2Na_2O_2 \cdot 8H_2O$ $M = 304{,}20$ g/mol assay ..... min. 99% water ..... 44—48% suitability for precipitation of nickel ..... passes test	PF. PF. *2929*	50 g 250 g	13,25 52,—	11,25 44,20	10,60 41,60	9 39
60329	**1,1-Dimethylguanidine hydrochloride** PROSYNTH® *1-1-Diméthylguanidine chlorhydrate / 1,1-Dimetilguanidina clorhidrato* $(CH_3)_2NC(NH)NH_2 \cdot HCl$ $C_3H_{10}ClN_3$ $M = 123{,}59$ g/mol assay (ex Cl) ..... 98% melting range ..... 145—147 °C	WG. *2926*	100 g	137,50	116,90	110,—	103
64552 A 3/4 +85 °C	**2,6-Dimethyl-2,5-heptadiene-4-one** PROSYNTH® *2-6-Diméthyl-2-5-heptadiène-4-one / 2,6-Dimetil-2,5-heptadién-4-ona* $(CH_3)_2C=CHCOCH=C(CH_3)_2$ $C_9H_{14}O$ $M = 138{,}21$ g/mol assay (GC) ..... 95% melting range ..... 23—26 °C keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	FL. *2913*	100 g	24,75	21,05	19,80	18
	2,6-Dimethylheptanol-(4) see Di-*iso*-butylcarbinol						
64553	**2,5-Dimethyl-2,5-hexanediol** PROSYNTH® *2-5-Diméthyl-2-5-hexanediol / 2,5-Dimetil-2,5-hexanodiol* $C_8H_{18}O_2$ $M = 146{,}23$ g/mol $(CH_3)_2C(OH)CH_2C(OH)(CH_3)_2$ assay (GC) ..... 97% melting range ..... 87—89 °C	WG. *2904*	250 g	37,50	31,90	30,—	28
63837 A 3/4	**2,2-Dimethylhexanol-(3)** PROSYNTH® *2-2-Diméthylhexanol-(3) / 2,2-Dimetilhexanol-(3)* $CH_3CH_2CH_2CH(OH)C(CH_3)_3$ $C_8H_{18}O$ $M = 130{,}23$ g/mol 1 L ≈ 0,83 kg assay (GC) 90%	FL. *2904*	5 ml	23,75	20,20	19,—	17

de-Number RID/ADR GGVE/GGVS MDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
3838	**2,3-Dimethylhexanol-(3)** PROSYNTH® *2-3-Diméthylhexanol-(3) / 2,3-Dimetilhexanol-(3)* $CH_3CH_2CH_2C(CH_3)(OH)CH(CH_3)_2$ $C_8H_{18}O$ $M = 130{,}23$ g/mol **1 L ≈ 0,84 kg** assay (GC) ..... 98% boiling range ..... 156–158 °C refractive index (n_D^{20}) 1,431	FL. *2904*	**5 ml**	20,50	17,45	16,40	15,40
3439 3/4	**2,4-Dimethylhexanol-(3)** PROSYNTH® *2-4-Diméthylhexanol-(3) / 2,4-Dimetilhexanol-(3)* $CH_3CH_2CH(CH_3)CH(OH)CH(CH_3)_2$ $C_8H_{18}O$ $M = 130{,}23$ g/mol **1 L ≈ 0,84 kg** assay (GC) ..... 95% boiling range ..... 156–159 °C refractive index (n_D^{20}) 1,432	FL. *2904*	**25 ml**	41,75	35,50	33,40	31,30
3839	**2,5-Dimethylhexanol-(2)** PROSYNTH® *2-5-Diméthylhexanol-(2) / 2,5-Dimetilhexanol-(2)* $(CH_3)_2CHCH_2CH_2C(OH)(CH_3)_2$ $C_8H_{18}O$ $M = 130{,}23$ g/mol **1 L ≈ 0,82 kg** assay (GC) ..... 95% boiling range ..... 153–155 °C refractive index (n_D^{20}) 1,421	FL. *2904*	**5 ml**	16,–	13,60	12,80	12,–
3840 3/4	**2,5-Dimethylhexanol-(3)** PROSYNTH® *2-5-Diméthylhexanol-(3) / 2,5-Dimetilhexanol-(3)* $(CH_3)_2CHCH_2CH(OH)CH(CH_3)_2$ $C_8H_{18}O$ $M = 130{,}23$ g/mol **1 L ≈ 0,83 kg** assay (GC) ..... 95% boiling range ..... 153–156 °C refractive index (n_D^{20}) 1,423	FL. *2904*	**5 ml**	24,–	20,40	19,20	18,–
63841	**3,5-Dimethylhexanol-(3)** PROSYNTH® *3-5-Diméthylhexanol-(3) / 3,5-Dimetilhexanol-(3).* $(CH_3)_2CHCH_2C(OH)(CH_3)CH_2CH_3$ $C_8H_{18}O$ $M = 130{,}23$ g/mol **1 L ≈ 0,83 kg** assay (GC) ..... 98% boiling range ..... 151–153 °C refractive index (n_D^{20}) 1,427	FL. *2904*	**25 ml**	38,75	32,95	31,–	29,05
65155	**5,5-Dimethylhydantoin** PROSYNTH® *5-5-Diméthylhydantoine / 5,5-Dimetilhidantoina* $HNCONHCOC(CH_3)_2$ $C_5H_8N_2O_2$ $M = 128{,}13$ g/mol assay ..... 98% melting range ..... 174–177 °C	WG. *2925*	**1 kg**	44,–	37,40	35,20	33,90
62534 A 3/1A C 3.2 1163 1 +1 °C	**N,N-Dimethylhydrazine** PROSYNTH® *N-N-Diméthylhydrazine / N,N-Dimetilhidracina* $(CH_3)_2NNH_2$ $C_2H_8N_2$ $M = 60{,}10$ g/mol **1 L ≈ 0,79 kg** assay (GC) ..... 98% boiling range (at 1004 mbar) ..... 62–64 °C refractive index (n_D^{20}) ..... 1,408 R: 11-23/24/25 S: 16-27-44 disposal: 20	FL. *2929*	**100 ml**	38,25	32,50	30,60	28,70
64554	**N,N'-Dimethylhydrazinium dichloride** PROSYNTH® *N-N'-Diméthylhydrazine dichlorhydrate /* *N,N'-Dimetilhidracínio dicloruro* $CH_3NHNHCH_3 \cdot 2HCl$ $C_2H_{10}Cl_2N_2$ $M = 133{,}02$ g/mol assay (Cl) ..... 99% melting point ..... 168 °C (disint.) R: 23/24/25 S: 44 disposal: 20	WG. *2929*	**10 g**	74,50	63,35	59,60	55,90

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	Dimethyl-(3-hydroxypropyl)amine see 3-Dimethylaminopropanol-(1)						
64056	**1,2-Dimethylindole** PROSYNTH® *1-2-Diméthylindole / 1,2-Dimetilindol* $C_6H_4N(CH_3)C(CH_3)=CH$ $C_{10}H_{11}N$ $M = 145{,}20$ g/mol assay ..... 95 % melting range ..... 53—55 °C	WG. *2935*	10 g	48,75	41,45	39,—	36
	Dimethyl isophthalate see Dimethyl *iso*-phthalate						
	Dimethylketol see 3-Hydroxybutanone-(2)						
	Dimethylketoxime see Acetone oxime						
64976	**Dimethylmalonic acid** PROSYNTH® *Acide diméthylmalonique / Acido dimetilmalónico* $(CH_3)_2C(COOH)_2$ $C_5H_8O_4$ $M = 132{,}12$ g/mol assay (GC) ..... 98 % melting range ..... 191—193 °C	WG. *2915*	10 g	28,50	24,25	22,80	21
64057	**2,6-Dimethyl-α-methylbenzyl alcohol** PROSYNTH® *Alcool 2-6-diméthyl-α-méthylbenzylique / Alcohol 2,6-dimetil-α-metilbencílico* $(CH_3)_2C_6H_3CHOHCH_3$ $C_{10}H_{14}O$ $M = 150{,}22$ g/mol assay (GC) ..... 97 % melting range ..... 50—55 °C	WG. *2905*	10 g	50,—	42,50	40,—	37
63842	**1,2-Dimethylnaphthalene** PROSYNTH® *Diméthyl-1-2-naphtalène / 1,2-Dimetilnaftaleno* $C_{10}H_6(CH_3)_2$ $C_{12}H_{12}$ $M = 156{,}23$ g/mol 1 L ≈ 1,02 kg assay (GC) ..... 94 % boiling range (at 35 mbar) ..... 151—154 °C refractive index (n_D^{20}) 1,615	FL. *2901*	5 ml	38,75	32,95	31,—	29
64555	**1,3-Dimethylnaphthalene** PROSYNTH® *Diméthyl-1-3-naphtalène / 1,3-Dimetilnaftaleno* $C_{10}H_6(CH_3)_2$ $C_{12}H_{12}$ $M = 156{,}23$ g/mol 1 L ≈ 1,01 kg assay (GC) ..... 98 % boiling range ..... 261—263 °C refractive index (n_D^{20}) 1,609	FL. *2901*	5 ml	70,—	59,50	56,—	52
63843	**1,6-Dimethylnaphthalene** PROSYNTH® *Diméthyl1-6-naphtalène / 1,6-Dimetilnaftaleno* $C_{10}H_6(CH_3)_2$ $C_{12}H_{12}$ $M = 156{,}23$ g/mol 1 L ≈ 1,00 kg assay (GC) ..... 98 % boiling range (at 13 mbar) ..... 118—120 °C refractive index (n_D^{20}) 1,607	FL. *2901*	5 ml	171,—	145,35	136,80	128
62251	**2,3-Dimethylnaphthalene** PROSYNTH® *Diméthyl-2-3-naphtalène / 2,3-Dimetilnaftaleno* $C_{10}H_6(CH_3)_2$ $C_{12}H_{12}$ $M = 156{,}23$ g/mol assay (GC) ..... 98 % melting range ..... 102—104 °C	WG. *2901*	100 g	56,—	47,60	44,80	42
33135	**3,3'-Dimethylnaphthidine** indicator for metal titration *Diméthyl-3-3-naphtidine / 3,3'-Dimetilnaftidina* $NH_2(CH_3)C_{10}H_5C_{10}H_5(CH_3)NH_2$ $C_{22}H_{20}N_2$ $M = 312{,}41$ g/mol	FL. WG. *3205*	1 g 5 g	60,— 264,—	51,— 224,40	48,— 211,20	45 198
	2,6-Dimethyloctadiene-(2,6)-ol-8 see Geraniol						

refer explanations

de-Number RID/ADR GGVE/GGVS MDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
442 /1A .2 1993 2 C	**2,4-Dimethylpentane** PROSYNTH® *2-4-Diméthylpentane / 2,4-Dimetilpentano* $(CH_3)_2CHCH_2CH(CH_3)_2$ C_7H_{16} M = 100,20 g/mol **1 L ≈ 0,67 kg** assay (GC) ..... 95% boiling range ..... 78–80 °C refractive index (n_D^{20}) ..... 1,382 R: 11 S: 9-16-33 disposal: 6	FL. *2901*	100 ml	31,50	26,80	25,20	23,65
	2,4-Dimethylpentanedioic acid see 2,4-Dimethylglutaric acid						
	3,3-Dimethylpentanedioic acid see 3,3-Dimethylglutaric acid						
3846 3/3 3.3 1987 2 40 °C	**2,2-Dimethylpentanol-(3)** PROSYNTH® *2-2-Diméthylpentanol-(3) / 2,2-Dimetilpentanol-(3)* $C_2H_5CH(OH)C(CH_3)_3$ $C_7H_{16}O$ M = 116,20 g/mol **1 L ≈ 0,83 kg** assay (GC) ..... 95% R: 10 disposal: 6	FL. *2904*	5 ml	24,–	20,40	19,20	18,–
3847 3/3 3.3 1987 2 40 °C	**2,3-Dimethylpentanol-(2)** PROSYNTH® *2-3-Diméthylpentanol-(2) / 2,3-Dimetilpentanol-(2)* $C_2H_5CH(CH_3)C(OH)(CH_3)_2$ $C_7H_{16}O$ M = 116,20 g/mol **1 L ≈ 0,83 kg** assay (GC) ..... 90% boiling range ..... 137–140 °C refractive index (n_D^{20}) ..... 1,426 R: 10 disposal: 6	FL. *2904*	5 ml	25,–	21,25	20,–	18,75
63848 A 3/3 C 3.3 1987 2 +40 °C	**2,3-Dimethylpentanol-(3)** PROSYNTH® *2-3-Diméthylpentanol-(3) / 2,3-Dimetilpentanol-(3)* $C_2H_5C(CH_3)(OH)CH(CH_3)_2$ $C_7H_{16}O$ M = 116,20 g/mol **1 L ≈ 0,84 kg** assay (GC) ..... 99% boiling range ..... 138–140 °C refractive index (n_D^{20}) ..... 1,429 R: 10 disposal: 6	FL. *2904*	5 ml	17,50	14,90	14,–	13,15
63849 A 3/3 C 3.3 1993 2 +35 °C	**2,4-Dimethylpentanol-(2)** PROSYNTH® *2-4-Diméthylpentanol-(2) / 2,4-Dimetilpentanol-(2)* $(CH_3)_2CHCH_2C(CH_3)_2OH$ $C_7H_{16}O$ M = 116,20 g/mol **1 L ≈ 0,81 kg** assay (GC) ..... 97% boiling range ..... 131–133 °C refractive index (n_D^{20}) ..... 1,417 R: 10 disposal: 6	FL. *2904*	25 ml	42,75	36,35	34,20	32,05
62539 A 3/1A C 3.2 1993 2 +15 °C	**2,4-Dimethylpentanone-(3)** PROSYNTH® *2-4-Diméthylpentanone-(3) / 2,4-Dimetilpentanona-(3)* $(CH_3)_2CHCOCH(CH_3)_2$ $C_7H_{14}O$ M = 114,19 g/mol **1 L ≈ 0,80 kg** assay (GC) ..... 97% boiling range ..... 124–126 °C refractive index (n_D^{20}) ..... 1,400 R: 11 S: 16-23 disposal: 6	FL. *2913*	100 ml	14,50	12,35	11,60	10,90
	2,9-Dimethyl-1,10-phenanthroline see Neocuproin						
	2,9-Dimethyl-1,10-phenanthroline hydrochloride see Neocuproin hydrochloride						

PANPEHA® universal indicator paper in strips

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62540 A 6.1/13C C 6.1 2261 2	**2,3-Dimethylphenol** PROSYNTH® *Diméthyl-2-3-phénol / 2,3-Dimetilfenol* $(CH_3)_2C_6H_3OH$ $C_8H_{10}O$ $M = 122{,}17$ g/mol assay (GC) ..... 98% melting range ..... 72–74 °C R: 24/25-34 S: 2-28-44 disposal: 6	WG. *2906*	100 g	12,75	10,85	10,20	9
62541	**2,4-Dimethylphenol** PROSYNTH® *Diméthyl-2-4-phénol / 2,4-Dimetilfenol* $(CH_3)_2C_6H_3OH$ $C_8H_{10}O$ $M = 122{,}17$ g/mol **1 L ≈ 1,02 kg** assay (GC) ..... 97% boiling range ..... 208–210 °C refractive index (n_D^{20}) 1,539	WG. *2906*	100 g	price on request			
64556 A 6.1/22B C 6.1 2811 2	**2,5-Dimethylphenol** PROSYNTH® *Diméthyl-2-5-phénol / 2,5-Dimetilfenol* $(CH_3)_2C_6H_3OH$ $C_8H_{10}O$ $M = 122{,}17$ g/mol assay (GC) ..... 98% melting range ..... 70–72 °C R: 24/25-34 S: 2-28-44 disposal: 6	WG. *2906*	250 g	35,–	29,75	28,–	26
33163 A 6.1/13C C 6.1 2020 3	**2,6-Dimethylphenol** R.G. *Diméthyl-2-6-phénol / 2,6-Dimetilfenol* $(CH_3)_2C_6H_3OH$ $C_8H_{10}O$ $M = 122{,}17$ g/mol assay (GC) ..... min. 99,5% melting range ..... 45–46 °C suitability for determination of nitrate ..... passes test R: 24/25-34 S: 2-28-44 disposal: 6	WG. *2906*	5 g	25,25	21,45	20,20	18
62542 A 6.1/13C C 6.1 2261 2	**2,6-Dimethylphenol** PROSYNTH® *Diméthyl-2-6-phénol / 2,6-Dimetilfenol* $(CH_3)_2C_6H_3OH$ $C_8H_{10}O$ $M = 122{,}17$ g/mol assay (GC) ..... 99% melting range ..... 44–46 °C R: 24/25-34 S: 2-28-44 disposal: 6	WG. *2906*	250 g	21,50	18,30	17,20	16
62543 A 6.1/13C C 6.1 2261 2	**3,4-Dimethylphenol** PROSYNTH® *Diméthyl-3-4-phénol / 3,4-Dimetilfenol* $(CH_3)_2C_6H_3OH$ $C_8H_{10}O$ $M = 122{,}17$ g/mol assay (GC) ..... 98% melting range ..... 64–65 °C R: 24/25-34 S: 2-28-44 disposal: 6	WG. *2906*	100 g	28,50	24,25	22,80	21
62544 A 6.1/13C C 6.1 2261 2	**3,5-Dimethylphenol** PROSYNTH® *Diméthyl-3-5-phénol / 3,5-Dimetilfenol* $(CH_3)_2C_6H_3OH$ $C_8H_{10}O$ $M = 122{,}17$ g/mol assay (GC) ..... 98% melting range ..... 61–64 °C R: 24/25-34 S: 2-28-44 disposal: 6	PF. *2906*	250 g	19,75	16,80	15,80	14

2,2'-Dimethylphenolsulphonphthalein see m-Cresol purple

de-Number RID/ADR GGVE/GGVS MDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
557 6.1/21H 6.1 2811 3	**N,N-Dimethyl-p-phenylenediamine** PROSYNTH® *N-N-Diméthyl-p-phénylènediamine / N,N-Dimetil-p-fenilendiamina* $(CH_3)_2NC_6H_4NH_2$ $C_8H_{12}N_2$ $M = 136{,}20$ g/mol assay (GC) ..... 98% melting range ..... 35–38 °C R: 23/24/25 S: 28-44 disposal: 19	WG. *2922*	100 g	38,25	32,50	30,60	28,70
2545 6.1/21H 6.1 2811 3	**4,5-Dimethyl-o-phenylenediamine** PROSYNTH® *4-5-Diméthyl-o-phénylènediamine / 4,5-Dimetil-o-fenilendiamina* $(CH_3)_2C_6H_2(NH_2)_2$ $C_8H_{12}N_2$ $M = 136{,}20$ g/mol assay ..... 98% melting range ..... 125–127 °C R: 23/24/25 S: 28-44 disposal: 19	WG. *2922*	10 g	14,25	12,10	11,40	10,70
3137 6.1/21H 6.1 2811 3	**N,N-Dimethyl-p-phenylenediamine dihydrochloride** R. G. *N-N-Diméthyl-p-phénylènediamine dichlorhydrate / N,N-Dimetil-p-fenilendiamina diclorhidrato* $(CH_3)_2NC_6H_4NH_2 \cdot 2HCl$ $C_8H_{14}Cl_2N_2$ $M = 209{,}12$ g/mol assay ..... min. 99,5% sulphated ash ..... max. 0,05% sulphate (SO_4) ..... max. 0,005% R: 23/24/25 S: 28-44 disposal: 7	WG. WG. *2922*	10 g 100 g	16,50 98,50	14,05 83,75	13,20 78,80	12,40 73,90
64059	**3,5-Dimethyl-1-phenylpyrazole** PROSYNTH® *3-5-Diméthyl-1-phénylpyrazole / 3,5-Dimetil-1-fenilpirazol* $C_6H_5NC(CH_3)=CHC(CH_3)=N$ $C_{11}H_{12}N_2$ $M = 172{,}23$ g/mol 1 L ≈ 1,06 kg assay (GC) ..... 98% boiling (at 5 mbar) ..... 114–117 °C refractive index (n_D^{20}) 1,573	FL. *2935*	10 ml	32,75	27,85	26,20	24,55
64236 A 3/4 C 3.3 1992 2 +58 °C	**Dimethyl phosphite** PROSYNTH® *Diméthyle phosphite / Dimetilo fosfito* $(CH_3O)_2POH$ $C_2H_7O_3P$ $M = 110{,}05$ g/mol 1 L ≈ 1,20 kg assay (GC) ..... 99% boiling range ..... 169–171 °C refractive index (n_D^{20}) 1,402	FL. *2921*	500 ml	40,50	34,45	32,40	31,20
64649	**Dimethyl *iso*-phthalate** PROSYNTH® *Diméthyle iso-phtalate / Dimetilo iso-ftalato* $C_6H_4(COOCH_3)_2$ $C_{10}H_{10}O_4$ $M = 194{,}19$ g/mol assay (GC) ..... 98% melting range ..... 65–67 °C	WG. *2915*	500 g	27,25	23,15	21,80	21,–
27742	**Dimethyl phthalate** *Diméthyle phtalate / Dimetilo ftalato* $C_6H_4(COOCH_3)_2$ $C_{10}H_{10}O_4$ $M = 194{,}19$ g/mol 1 L ≈ 1,19 kg assay (GC) ..... 99% boiling range (at 27 mbar) ..... 163–167 °C density (D_4^{20}) ..... 1,188–1,192 refractive index (n_D^{20}) ..... 1,5140–1,5150 water (according to Karl Fischer) ..... 0,05% free acid [as $C_6H_4(COOH)_2$] 0,01%	FL. EKL. *2915*	1 L 35 kg	23,– price on request	19,55	18,40	17,70

PEHANAL® universal indicator paper in rolls

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96 (16 Box
64559	**2,5-Dimethylpiperazine** mixture of *cis* and *trans* isomers PROSYNTH® *Diméthyl-2-5-pipérazine / 2,5-Dimetilpiperacina* $\underline{NHCH(CH_3)CH_2NHCH(CH_3)CH_2}$ $C_6H_{14}N_2$ $M = 114{,}19$ g/mol assay (GC) ..... 97 %	WG. *2935*	100 g	31,25	26,55	25,—	23,
62546 A 3/1A C 3.2 1993 2 +16 °C	**2,6-Dimethylpiperidine** PROSYNTH® *Diméthyl-2-6-pipéridine / 2,6-Dimetilpiperidina* $\underline{NHCH(CH_3)(CH_2)_3CHCH_3}$ $C_7H_{15}N$ $M = 113{,}20$ g/mol **1 L ≈ 0,82 kg** assay (GC) ..... 97 % boiling range ..... 126—128 °C refractive index (n_D^{20}) ..... 1,439 R: 11 S: 9-16-33 disposal: 19	FL. *2935*	100 ml	18,—	15,30	14,40	13,
56008	**Dimethyl-POPOP** for scintillation [2,2-p-Phenylenbis-(4-methyl-5-phenyloxazole)] $\underline{OC(C_6H_5)=C(CH_3)N=CC_6H_4C=NC(CH_3)=C(C_6H_5)O}$ $C_{26}H_{20}N_2O_2$ $M = 392{,}46$ g/mol melting range ..... 233—234 °C	WG. WG. FT. *2935*	25 g 100 g 1 kg	74,50 253,— 2300,—	63,35 215,05 1955,—	59,60 202,40 1840,—	55, 189, 1771,
15919	**2,2-Dimethylpropanediol-(1,3)** *2-2-Diméthylpropanediol-(1-3) / 2,2-Dimetilpropanodiol-(1,3)* $(CH_3)_2C(CH_2OH)_2$ $C_5H_{12}O_2$ $M = 104{,}15$ g/mol	PF. S. *2904*	1 kg 40 kg	19,50	16,60 price on request	15,60	15,
60448	**2,2-Dimethylpropanol-(1)** PROSYNTH® *2-2-Diméthylpropanol-(1) / 2,2-Dimetilpropanol-(1)* $CH_3C(CH_3)_2CH_2OH$ $C_5H_{12}O$ $M = 88{,}15$ g/mol **1 L ≈ 0,81 kg** assay (GC) ..... 98 % melting range ..... 51—54 °C	FL. *2904*	100 ml	47,—	39,95	37,60	35,
	N,N-Dimethyl-*iso*-propanolamine see 1-Dimethylaminopropanol-(2)						
	N,N-Dimethyl-1,3-propylenediamine see 3-Dimethylaminopropylamine						
63444	**3,5-Dimethylpyrazole** PROSYNTH® *3-5-Diméthylpyrazole / 3,5-Dimetilpirazol* $\underline{NHN=C(CH_3)CH=CCH_3}$ $C_5H_8N_2$ $M = 96{,}13$ g/mol assay (ex N) ..... 98 % melting range ..... 105—108 °C	WG. *2935*	25 g	24,—	20,40	19,20	18,
	2,4-Dimethylpyridine see 2,4-Lutidine						
	2,6-Dimethylpyridine see 2,6-Lutidine						
	3,4-Dimethylpyridine see 3,4-Lutidine						
	3,5-Dimethylpyridine see 3,5-Lutidine						
63446 A 3/4	**2,6-Dimethylstyrene** PROSYNTH® stabilized with 4-*tert.*-butylpyrocatechol (1 g/l) *2-6-Diméthylstyrène / 2,6-Dimetilestireno* $(CH_3)_2C_6H_3CH=CH_2$ $C_{10}H_{12}$ $M = 132{,}20$ g/mol **1 L ≈ 0,91 kg** assay (GC) ..... 95 %	FL. *2901*	10 g	76,50	65,05	61,20	57,

refer explanations

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145)/4 30 °C	**Dimethyl succinate** PROSYNTH® *Diméthyle succinate / Dimetilo succinato* $CH_3OCOCH_2CH_2COOCH_3$ $C_6H_{10}O_4$ *M* = 146,14 g/mol **1 L ≈ 1,12 kg** assay (GC) ..... 98 % boiling range ..... 194 – 196 °C refractive index (n_D^{20}) 1,419	FL. *2915*	500 ml	38,–	32,30	30,40	29,25
3447	**2,3-Dimethylsuccinic acid** PROSYNTH® mixture of *DL*- and *meso*-form *Acide 2-3-diméthylsuccinique / Acido 2,3-dimetilsuccínico* $HOOCCH(CH_3)CH(CH_3)COOH$ $C_6H_{10}O_4$ *M* = 146,14 g/mol assay (alkalimetric) ..... 99 % melting range ..... 198 – 200 °C	FL. *2915*	1 g	30,75	26,15	24,60	23,05
5447 6.1/13B 6.1 1595 1	**Dimethyl sulphate** technical *Diméthyle sulfate / Dimetilo sulfato* $(CH_3O)_2SO_2$ $C_2H_6O_4S$ *M* = 126,13 g/mol **1 L ≈ 1,33 kg** assay (GC) ..... 97 % boiling range ..... 187 – 189 °C density (D_4^{20}) ..... 1,320 – 1,330 R: 26/27-40 S: 7/9-24/25-26-45 disposal: 7	FL. FL. F. *2921*	500 ml 1 L 250 kg	10,75 19,25 price on request	9,15 16,35	8,60 15,40	8,30 14,80
9047 6.1/13B 6.1 1595 1	**Dimethyl sulphate-d_6** deuteration degree not less than 99 atom % D *Diméthyle sulfate-d_6 / Dimetilo sulfato-d_6* $(CD_3O)_2SO_2$ $C_2D_6O_4S$ *M* = 132,09 g/mol **1 L ≈ 1,39 kg** R: 26/27-40 S: 7/9-24/25-26-45 disposal: 7	A. *2851*	10 ml	76,50	65,05	61,20	57,40
62547 A 3/1A C 3.1 1164 1 34 °C	**Dimethyl sulphide** PROSYNTH® *Diméthyle sulfure / Dimetilo sulfuro* $(CH_3)_2S$ C_2H_6S *M* = 62,13 g/mol **1 L ≈ 0,85 kg** assay (GC) ..... 99 % boiling range ..... 36 – 38 °C refractive index (n_D^{20}) ..... 1,435 R: 11 S: 9-16-33 disposal: 15	FL. *2931*	1 L	27,25	23,15	21,80	21,–
62548 A 3/3 C 3.3 1992 2 +38 °C	**Dimethyl sulphite** PROSYNTH® *Diméthyle sulfite / Dimetilo sulfito* $(CH_3O)_2SO$ $C_2H_6O_3S$ *M* = 110,13 g/mol **1 L ≈ 1,21 kg** assay (GC) ..... 97 % boiling range ..... 123 – 125 °C refractive index (n_D^{20}) 1,409	FL. *2921*	50 ml	13,75	11,70	11,–	10,30
63448	**2,4-Dimethylsulpholane** PROSYNTH® *2-4-Diméthylsulfolane / 2,4-Dimetilsulfolano* $SO_2CH_2CH(CH_3)CH_2CHCH_3$ $C_6H_{12}O_2S$ *M* = 148,23 g/mol **1 L ≈ 1,14 kg** assay (GC) ..... 99 % boiling range ..... 280 – 283 °C refractive index (n_D^{20}) 1,473	FL. *2935*	25 ml	66,50	56,55	53,20	49,90
60307	**Dimethylsulphone** PROSYNTH® *Diméthylsulfone / Dimetilsulfona* $(CH_3)_2SO_2$ $C_2H_6O_2S$ *M* = 94,13 g/mol assay (ex S) ..... 98 % melting range ..... 107 – 110 °C	WG. WG. *2931*	250 g 1 kg	37,75 125,50	32,10 106,70	30,20 100,40	28,30 96,65

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96 (16 Bo
09082 +85 °C	**Dimethyl sulphoxide-d_6** deuteration degree not less than 99,95 atom %D *Diméthyle sulfoxyde-d_6 / Dimetilo sulfóxido-d_6* $(CD_3)_2SO$ C_2D_6OS $M = 84{,}09$ g/mol **1 L ≈ 1,19 kg**	A. *2851*	10 ml	228,—	193,80	182,40	171
09083 85 °C	**Dimethyl sulphoxide-d_6** deuteration degree not less than 99,8 atom %D *Diméthyle sulfoxyde-d_6 / Dimetilo sulfóxido-d_6* $(CD_3)_2SO$ C_2D_6OS $M = 84{,}09$ g/mol **1 L ≈ 1,19 kg**	A. FL. *2851*	10 ml 100 ml	46,25 386,—	39,30 328,10	37,— 308,80	34 289
33175 +85 °C	**Dimethyl sulphoxide** R. G., Reag. ACS *Diméthyle sulfoxyde / Dimetilo sulfóxido* $(CH_3)_2SO$ C_2H_6OS $M = 78{,}13$ g/mol **1 L ≈ 1,10 kg** assay (GC) ..... min. 99,5 % congealing point ..... min. 18 °C boiling range ..... 189-191 °C density (D_4^{20}) ..... 1,100-1,103 refractive index (n_D^{20}) ..... 1,4780-1,4790 non-volatile matter ..... max. 0,002 % water (according to Karl Fischer) ..... max. 0,03 % free acid (as H_2SO_4) ..... max. 0,003 % iron (Fe) ..... max. 0,0001 % heavy metals (as Pb) ..... max. 0,0001 %	FL. *2931*	1 L	40,25	34,20	32,20	31
34943 +85 °C	**Dimethyl sulphoxide** R. G. dried (max. 0,01 % H_2O) *Diméthyle sulfoxyde / Dimetilo sulfóxido* $(CH_3)_2SO$ C_2H_6OS $M = 78{,}13$ g/mol **1 L ≈ 1,10 kg** assay (GC) ..... min. 99,5 % congealing point ..... min. 18 °C boiling range ..... 189-191 °C density (D_4^{20}) ..... 1,100-1,103 refractive index (n_D^{20}) ..... 1,4780-1,4790 non-volatile matter ..... max. 0,002 % water (according to Karl Fischer) ..... max. 0,01 % free acid (as H_2SO_4) ..... max. 0,003 % iron (Fe) ..... max. 0,0001 % heavy metals (as Pb) ..... max. 0,0001 %	FL. *2931*	1 L	41,25	35,05	33,—	31
56010 +85 °C	**Dimethyl sulphoxide** for scintillation *Diméthyle sulfoxyde / Dimetilo sulfóxido* $(CH_3)_2SO$ C_2H_6OS $M = 78{,}13$ g/mol **1 L ≈ 1,10 kg**	FL. *2931*	500 ml	22,50	19,15	18,—	17
34915 +85 °C	**Dimethyl sulphoxide** SPECTRANAL® *Diméthyle sulfoxyde / Dimetilo sulfóxido* $(CH_3)_2SO$ C_2H_6OS $M = 78{,}13$ g/mol **1 L ≈ 1,10 kg** assay (GC) ..... min. 99,7 % non-volatile matter ..... max. 0,002 % water (acc. to Karl Fischer) ..... max. 0,2 % suitability for UV spectroscopy transmittance (1 cm cell/reference: water) transmittance/wavelength (nm): min. 40 %/270, min. 70 %/290, min. 90 %/320, min. 95 %/330, min. 98 %/from 340 suitability for IR spectroscopy ..... passes test	FL. FL. *2931*	100 ml 1 L	10,25 59,50	8,70 50,60	8,20 47,60	7, 45,
34869 +85 °C	**Dimethyl sulphoxide** CHROMASOLV® for chromatography (UV-detection) *Diméthyle sulfoxyde / Dimetilo sulfóxido* $(CH_3)_2SO$ C_2H_6OS $M = 78{,}13$ g/mol **1 L ≈ 1,10 kg** assay (GC) ..... min. 99,7 % non-volatile matter ..... max. 0,002 % water (according to Karl Fischer) ..... max. 0,2 % transmittance (1 cm cell; reference water) transmittance/wavelength (nm): min. 30 %/270, min. 50 %/280, min. 80 %/300, min. 98 %/from 350	FL. *2931*	1 L	43,25	36,75	34,60	33,

refer explanations

le-Number ID/ADR GVE/GGVS MDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
153 *5°C*	**Dimethyl sulphoxide** PROSYNTH® *Diméthyle sulfoxyde / Dimetilo sulfóxido* $(CH_3)_2SO$ C_2H_6OS $M = 78{,}13$ g/mol **1 L ≈ 1,10 kg** assay (GC) ..... 99,5% boiling range ..... 189—191 °C refractive index (n_D^{20}) ..... 1,4780—1,4790	FL. FL. STP. *2931*	500 ml 2,5 L 30 kg	17,75 71,— price on request	15,10 58,95	14,20 55,40	13,65 53,25
048 *5°C*	**Dimethyl sulphoxide-d_6** deuteration degree not less than 99,5 atom% D *Diméthyle sulfoxyde-d_6 / Dimetilo sulfóxido-d_6* $(CD_3)_2SO$ C_2D_6OS $M = 84{,}09$ g/mol **1 L ≈ 1,19 kg**	A. FL. *2851*	10 ml 100 ml	46,— 385,—	39,10 327,25	36,80 308,—	34,50 288,75
060	**Dimethyl (+)-tartrate** PROSYNTH® *Diméthyle (+)-tartrate / Dimetilo (+)-tartrato* $CH_3OOC(OH)CHCH(OH)COOCH_3$ $C_6H_{10}O_6$ $M = 178{,}14$ g/mol assay (GC) ..... 99% melting range ..... 46—48 °C spec. rotation ($[\alpha]_D^{20}$; c = 20 in CH_3OH) .... +4,5° ±0,5°	WG. *2916*	100 g	price on request			
3060	**Dimethyl terephthalate** PROSYNTH® *Diméthyle téréphtalate / Dimetilo tereftalato* $C_6H_4(COOCH_3)_2$ $C_{10}H_{10}O_4$ $M = 194{,}19$ g/mol assay (HPLC) ..... 99% melting range ..... 139—141 °C	PF. *2915*	1 kg	26,75	22,75	21,40	20,60
	Dimethylthiazolyldiphenyltetrazolium bromide see MTT						
3100 8/11B 8 1760 2	**Dimethylthiophosphine acid chloride** for gas chromatography *Acide diméthylthiophosphine chlorure / Acido dimetiltiofosfino cloruro* $(CH_3)_2P(S)Cl$ C_2H_6ClPS $M = 128{,}56$ g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	FL. *2934*	10 g	122,50	104,15	98,—	91,90
0367 6.1/81A 8 2267 3	**0,0-Dimethylthiophosphoric acid chloride** PROSYNTH® *Acide 0-0-diméthylthiophosphorique chlorure / Acido 0,0-dimetiltiofosfórico cloruro* $(CH_3O)_2PSCl$ $C_2H_6ClO_2PS$ $M = 160{,}56$ g/mol **1 L ≈ 1,32 kg** assay ..... 98% boiling range (at 21 mbar) ..... 65—67 °C refractive index (n_D^{20}) 1,482	FL. *2921*	1 L	94,—	79,90	75,20	72,40
2550 6.1/81F2 6.1 2811 2	**Dimethyltin dichloride** PROSYNTH® *Diméthylétain dichlorure / Dimetilestaño dicloruro* $(CH_3)_2SnCl_2$ $C_2H_6Cl_2Sn$ $M = 219{,}67$ g/mol assay (ex Sn) ..... 99% melting range ..... 104—106 °C R: 23/24/25 S: 2-13-44 disposal: 10	FL. *2934*	5 g	34,—	28,90	27,20	25,50
2549 6.1/210 6.1 2810 2 -76 °C	**N,N-Dimethyl-p-toluidine** PROSYNTH® catalysator for peroxide-polymerisation *N-N-Diméthyl-p-toluidine / N,N-Dimetil-p-toluídina* $CH_3C_6H_4N(CH_3)_2$ $C_9H_{13}N$ $M = 135{,}21$ g/mol **1 L ≈ 0,94 kg** assay (GC) ..... 98% boiling range ..... 209—211 °C refractive index (n_D^{20}) ..... 1,546 R: 23/24/25-33 S: 28-36/37-44 disposal: 19	FL. *2922*	100 ml	20,50	17,45	16,40	15,40

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	9((16 Bo
15450	**N,N'-Dimethylurea** *N-N'-Diméthylurée / N,N'-Dimetilurea* $(CH_3NH)_2CO$ $C_3H_8N_2O$ $M = 88{,}11$ g/mol	PF. S. *2925*	1 kg 45 kg	22,—	18,70 price on request	17,60	16
	1,3-Dimethyl-2-vinylbenzene see 2,6-Dimethylstyrene						
	Dimethyl yellow see 4-Dimethylaminoazobenzene						
63453 A 6.1/21I C 6.1 2811 2	**2,4-Dinitroacetanilide** PROSYNTH® *2-4-Dinitroacétanilide / 2,4-Dinitroacetanilida* $(NO_2)_2C_6H_3NHCOCH_3$ $C_8H_7N_3O_5$ $M = 225{,}16$ g/mol assay (ex N) ..... 98% melting range ..... 119—121 °C R: 20/21/22 S: 28 disposal: 11	WG. *2925*	250 g	42,75	36,35	34,20	32
62551 A 6.1/21F C 6.1 1596 2	**2,4-Dinitroaniline** PROSYNTH® *2-4-Dinitroaniline / 2,4-Dinitroanilina* $(NO_2)_2C_6H_3NH_2$ $C_6H_5N_3O_4$ $M = 183{,}12$ g/mol assay (HPLC) ..... 97% melting range ..... 178—180 °C R: 26/27/28-33 S: 28-36/37-45 disposal: 20	WG. *2922*	500 g	27,75	23,60	22,20	21
64990 A 6.1/21F C 6.1 1596 2	**2,6-Dinitroaniline** PROSYNTH® *2-6-Dinitroaniline / 2,6-Dinitroanilina* $(NO_2)_2C_6H_3NH_2$ $C_6H_5N_3O_4$ $M = 183{,}12$ g/mol assay (HPLC) ..... 97% melting range ..... 132—134 °C (disint.) R: 26/27/28-33 S: 28-36/37-45 disposal: 20	WG. *2922*	10 g	42,25	35,90	33,80	31
62552 A 6.1/21F C 6.1 1596 2	**3,5-Dinitroaniline** PROSYNTH® *3-5-Dinitroaniline / 3,5-Dinitroanilina* $(NO_2)_2C_6H_3NH_2$ $C_6H_5N_3O_4$ $M = 183{,}12$ g/mol assay (HPLC) ..... 97% melting range ..... 160—162 °C R: 26/27/28-33 S: 28-36/37-45 disposal: 20	WG. *2922*	5 g	75,50	64,20	60,40	56
64061	**2,4-Dinitroanisole** PROSYNTH® *2-4-Dinitroanisole / 2,4-Dinitroanisol* $(NO_2)_2C_6H_3OCH_3$ $C_7H_6N_2O_5$ $M = 198{,}13$ g/mol assay (HPLC) (on dry substance) ..... 99% melting range (on dry substance) ..... 93—95 °C loss on drying 5%	WG. *2908*	500 g	44,50	37,85	35,60	34
64563 A 6.1/21I C 6.1 2811 2	**2,4-Dinitrobenzaldehyde** PROSYNTH® *Dinitro-2-4-benzaldéhyde / 2,4-Dinitrobenzaldehido* $(NO_2)_2C_6H_3CHO$ $C_7H_4N_2O_5$ $M = 196{,}12$ g/mol assay (GC) ..... 99% melting range ..... 68—70 °C	WG. *2912*	10 g	91,50	77,80	73,20	68

de-Number ID/ADR GVE/GGVS MDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
564 6.1/21I 6.1 1597 2	**1,2-Dinitrobenzene** PROSYNTH® *1-2-Dinitrobenzène / 1,2-Dinitrobenceno* $C_6H_4(NO_2)_2$ $C_6H_4N_2O_4$ $M = 168{,}11$ g/mol assay (GC) ..... 99% melting range ..... 116–118 °C R: 26/27/28-33 S: 28-36/37-45 disposal: 20	WG. *2903*	25 g	38,25	32,50	30,60	28,70
2140 6.1/2II 6.1 1597 2	**1,3-Dinitrobenzene** R. G., Reag. Ph. Eur. I *1-3-Dinitrobenzène / 1,3-Dinitrobenceno* $C_6H_4(NO_2)_2$ $C_6H_4N_2O_4$ $M = 168{,}11$ g/mol assay (GC) ..... min. 99% melting range ..... 89–91 °C sulphated ash ..... max. 0,1% free acid (as HNO_3) ..... max. 0,03% iron (Fe) ..... max. 0,001% heavy metals (as Pb) ..... max. 0,001% R: 26/27/28-33 S: 28-36/37-45 disposal: 20	WG. WG. *2903*	25 g 250 g	10,50 64,–	8,95 54,40	8,40 51,20	7,90 48,–
0478 6.1/21 6.1/21I 6.1 1597 2	**1,3-Dinitrobenzene** PROSYNTH® *1-3-Dinitrobenzène / 1,3-Dinitrobenceno* $C_6H_4(NO_2)_2$ $C_6H_4N_2O_4$ $M = 168{,}11$ g/mol assay (GC) ..... 98% melting range ..... 87–90 °C sulphated ash ..... 0,2% R: 26/27/28-33 S: 28-36/37-45 disposal: 20	WG. *2903*	500 g	23,–	19,55	18,40	17,70
2554 6.1/21I 6.1 1597 2	**1,4-Dinitrobenzene** PROSYNTH® *1-4-Dinitrobenzène / 1,4-Dinitrobenceno* $C_6H_4(NO_2)_2$ $C_6H_4N_2O_4$ $M = 168{,}11$ g/mol assay (GC) ..... 99% melting range ..... 173–175 °C R: 26/27/28-33 S: 28-36/37-45 disposal: 20	WG. *2903*	10 g	29,–	24,65	23,20	21,75
2555 6.1/21 I 6.1 2811 2	**2,4-Dinitrobenzenesulphenyl chloride** PROSYNTH® *2-4-Dinitrobenzènesulfényle chlorure /* *2,4-Dinitrobencenosulfenilo cloruro* $(NO_2)_2C_6H_3SCl$ $C_6H_3ClN_2O_4S$ $M = 234{,}62$ g/mol assay (ex Cl) ..... 99% melting range ..... 94–96 °C	WG. *2903*	10 g	38,75	32,95	31,–	29,05
3449 6.1/21F 6.1 2811 2	**3,3'-Dinitrobenzidine** PROSYNTH® *3-3'-Dinitrobenzidine / 3,3'-Dinitrobencidina* $NH_2C_6H_3(NO_2)C_6H_3(NO_2)NH_2$ $C_{12}H_{10}N_4O_4$ $M = 274{,}24$ g/mol R: 26/27/28-39 S: 22-27-36-45 disposal: 10	FL. *2922*	1 g	40,50	34,45	32,40	30,40
3451 6.1/21 I 6.1 2811 2	**3,4-Dinitrobenzoic acid** PROSYNTH® *Acide 3-4-dinitrobenzoïque / Acido 3,4-dinitrobenzóico* $(NO_2)_2C_6H_3COOH$ $C_7H_4N_2O_6$ $M = 212{,}12$ g/mol assay (alkalimetric) 98%	WG. *2914*	10 g	11,–	9,35	8,80	8,25

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33139 A 6.1/2II C 6.1 2811 2	**3,5-Dinitrobenzoic acid** R. G. *Acide 3-5-dinitrobenzoïque / Acido 3,5-dinitrobenzóico* $(NO_2)_2C_6H_3COOH$ $C_7H_4N_2O_6$ *M* = 212,12 g/mol assay ..... min. 99 % melting range ..... 204 – 206 °C sulphated ash ..... max. 0,1 % iron (Fe) ..... max. 0,001 % heavy metals (as Pb) ..... max. 0,001 %	WG. *2914*	100 g	19,75	16,80	15,80	14,
15923 A 6.1/211 C 6.1 1577 2	**3,5-Dinitrobenzoyl chloride** pure *3-5-Dinitrobenzoyle chlorure / 3,5-Dinitrobenzoilo cloruro* $(NO_2)_2C_6H_3COCl$ $C_7H_3ClN_2O_5$ *M* = 230,56 g/mol assay ..... 97 % melting range ..... 68 – 70 °C sulphated ash ..... 0,1 % total sulphur (as SO_4) ..... 0,01 % R: 23/24/25 S: 44 disposal: 20	WG. *2914*	100 g	29,50	25,10	23,60	22,
62556 A 6.1/21I C 6.1 2811 2	**2,2'-Dinitrobiphenyl** PROSYNTH® *2-2'-Dinitrobiphényle / 2,2'-Dinitrobifenilo* $NO_2C_6H_4C_6H_4NO_2$ $C_{12}H_8N_2O_4$ *M* = 244,21 g/mol assay (GC) ..... 97 % melting range ..... 122 – 124 °C	WG. *2903*	10 g	32,75	27,85	26,20	24,
63851 A 6.1/21 C 6.1 2811 2	**4,4'-Dinitrobiphenyl** PROSYNTH® *4-4'-Dinitrobiphényle / 4,4'-Dinitrobifenilo* $O_2NC_6H_4C_6H_4NO_2$ $C_{12}H_8N_2O_4$ *M* = 244,21 g/mol assay (ex N) ..... 90 %	WG. *2903*	10 g	32,25	27,40	25,80	24,
64063	**2,5-Dinitrofluorene** PROSYNTH® *2-5-Dinitrofluorène / 2,5-Dinitrofluoreno* $C_{13}H_8N_2O_4$ *M* = 256,22 g/mol melting range ..... 195 – 200 °C	WG. *2903*	10 g	44,50	37,85	35,60	33,
33253 A 6.1/21K C 6.1 2810 2	**2,4-Dinitrofluorobenzene** R. G. *Dinitro-2-4-fluorobenzène / 2,4-Dinitrofluorbenceno* $FC_6H_3(NO_2)_2$ $C_6H_3FN_2O_4$ *M* = 186;10 g/mol **1 L ≈ 1,52 kg** assay (GC) ..... min. 98 % water (according to Karl Fischer) ..... max. 0,1 % sulphated ash ..... max. 0,1 % iron (Fe) ..... max. 0,001 % heavy metals (as Pb) ..... max. 0,001 % R: 23/24/25-33 S: 28-37-44 disposal: 20	FL. *2903*	25 ml	31,75	27,–	25,40	23,
64978 A 6.1/21K C 6.1 2811 2	**2,4-Dinitroiodobenzene** PROSYNTH® *2-4-Dinitroiodobenzène / 2,4-Dinitroyodobenceno* $(NO_2)_2C_6H_3J$ $C_6H_3JN_2O_4$ *M* = 294,01 g/mol assay ..... 97 % melting range ..... 86 – 88 °C R: 23/24/25-33 S: 28-37-44 disposal: 20	WG. *2903*	5 g	33,25	28,25	26,60	24,
	2,4-Dinitro-1-methoxybenzene see 2,4-Dinitroanisole						
62557 A 6.1/21I C 6.1 2811 2	**1,5-Dinitronaphthalene** PROSYNTH® *1-5-Dinitronaphtalène / 1,5-Dinitronaftaleno* $C_{10}H_6(NO_2)_2$ $C_{10}H_6N_2O_4$ *M* = 218,17 g/mol assay (HPLC) ..... 98 % melting range ..... 213 – 216 °C	PF. *2903*	100 g	16,75	14,25	13,40	12,

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141 .1/2II .1 1320 1	**2,4-Dinitrophenol** indicator (with 0,5 ml H_2O/g) *2-4-Dinitrophénol / 2,4-Dinitrofenol* $C_6H_3(OH)(NO_2)_2$ $C_6H_4N_2O_5$ $M = 184{,}11$ g/mol R: 23/24/25-33 S: 28-37-44 disposal: 20	WG. *2907*	25 g	14,75	12,55	11,80	11,05
3142 6.1/2II .1 1320 1	**2,5-Dinitrophenol** indicator (with 0,5 ml H_2O/g) *2-5-Dinitrophénol / 2,5-Dinitrofenol* $C_6H_3(OH)(NO_2)_2$ $C_6H_4N_2O_5$ $M = 184{,}11$ g/mol R: 23/24/25-33 S: 28-37-44 disposal: 20	WG. *2907*	5 g	32,75	27,85	26,20	24,55
3143 6.1/2II 4.1 1320 1	**2,6-Dinitrophenol** indicator (with 0,5 ml H_2O/g) *2-6-Dinitrophénol / 2,6-Dinitrofenol* $C_6H_3(OH)(NO_2)_2$ $C_6H_4N_2O_5$ $M = 184{,}11$ g/mol R: 23/24/25-33 S: 28-37-44 disposal: 20	WG. *2907*	5 g	33,25	28,25	26,60	24,95
3145 6.1/2II 4.1 1320 1	**2,4-Dinitrophenylhydrazine** in proportion 2:1 to water, R. G. *2-4-Dinitrophénylhydrazine / 2,4-Dinitrofenilhidracina* $(NO_2)_2C_6H_3NHNH_2$ $C_6H_6N_4O_4$ $M = 198{,}14$ g/mol (water-free substance) assay ..... min. 99% melting range ..... 198—200 °C (disint.) sulphated ash ..... max. 0,1% iron (Fe) ..... max. 0,002% R: 23/24/25 S: 44 disposal: 10	WG. WG. *2929*	25 g 100 g	12,50 41,—	10,65 34,85	10,— 32,80	9,40 30,75
4991 6.1/21 6.1 2811 2	**2,4-Dinitrophenyl-4-semicarbazide** PROSYNTH® *2-4-Dinitrophényl-4-sémicarbazide / 2,4-Dinitrofenil-4-semicarbazida* $(NO_2)_2C_6H_3NHCONHNH_2$ $C_7H_7N_5O_5$ $M = 241{,}16$ g/mol assay ..... 95% melting range ..... 190—192 °C R: 23/24/25 S: 44 disposal: 20	WG. *2929*	25 g	55,50	47,20	44,40	41,65
3146 6.1/2II 6.1 2811 2	**3,5-Dinitrosalicylic acid monohydrate** R. G. *Acide 3-5-dinitrosalicylique monohydrate / Acido 3,5-dinitrosalicílico monohidrato* $C_6H_2(COOH)(OH)(NO_2)_2 \cdot H_2O$ $C_7H_4N_2O_7 \cdot H_2O$ $M = 246{,}13$ g/mol assay ..... min. 99% melting range ..... 170—172 °C sulphated ash ..... max. 0,1%	WG. WG. *2916*	25 g 100 g	13,75 45,75	11,70 38,90	11,— 36,60	10,30 34,30
5213 6.1/21 6.1 2811 2	**4,4'-Dinitrostilbene** PROSYNTH® *Dinitro-4-4'-stilbène / 4,4'-Dinitroestilbeno* $NO_2C_6H_4CH=CHC_6H_4NO_2$ $C_{14}H_{10}N_2O_4$ $M = 270{,}24$ g/mol melting range ..... 291—293 °C	WG. *2903*	50 g	price on request			
3854 6.1/21M 6.1 1597 2	**2,3-Dinitrotoluene** PROSYNTH® *2-3-Dinitrotoluène / 2,3-Dinitrotolueno* $CH_3C_6H_3(NO_2)_2$ $C_7H_6N_2O_4$ $M = 182{,}14$ g/mol assay (GC) ..... 99% melting range ..... 59—61 °C R: 23/24/25-33 S: 28-37-44 disposal: 20	WG. *2903*	5 g	30,75	26,15	24,60	23,05

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62558 A 6.1/21M C 6.1 2038 2	**2,4-Dinitrotoluene** PROSYNTH® *2-4-Dinitrotoluène / 2,4-Dinitrotolueno* $CH_3C_6H_3(NO_2)_2$ $C_7H_6N_2O_4$ $M = 182{,}14$ g/mol assay (GC) ..... 99% melting range ..... 67–70 °C R: 23/24/25-33 S: 28-37-44 disposal: 20	WG. *2903*	500 g	33,–	28,05	26,40	25,
62559 A 6.1/21M C 6.1 2038 2	**2,6-Dinitrotoluene** PROSYNTH® *2-6-Dinitrotoluène / 2,6-Dinitrotolueno* $CH_3C_6H_3(NO_2)_2$ $C_7H_6N_2O_4$ $M = 182{,}14$ g/mol assay (GC) ..... 99% melting range ..... 64–65 °C R: 23/24/25-33 S: 28-37-44 disposal: 20	WG. *2903*	100 g	38,25	32,50	30,60	28,
62560 A 6.1/21M C 6.1 2038 2	**3,4-Dinitrotoluene** PROSYNTH® *3-4-Dinitrotoluène / 3,4-Dinitrotolueno* $CH_3C_6H_3(NO_2)_2$ $C_7H_6N_2O_4$ $M = 182{,}14$ g/mol assay (GC) ..... 98% melting range ..... 57–59 °C R: 23/24/25-33 S: 28-37-44 disposal: 20	WG. *2903*	100 g	36,–	30,60	28,80	27,
63531 A 6.1/21N C 6.1 1665 2	**2,4-Dinitro-m-xylene** PROSYNTH® *2-4-Dinitro-m-xylène / 2,4-Dinitro-m-xileno* $(NO_2)_2C_6H_2(CH_3)_2$ $C_8H_8N_2O_4$ $M = 196{,}16$ g/mol assay (GC) ..... 99% melting range ..... 82–84 °C R: 23/24/25 S: 44 disposal: 20	WG. *2901*	100 g	44,75	38,05	35,80	33
35781 A 6.1/82C C 6.1 ./. 2	**Dinobuton** min. 99% PESTANAL® (2-sec-Butyl-4,6-dinitrophenylisopropylcarbonate) $(NO_2)_2C_6H_2[CH(CH_3)CH_2CH_3]OC(O)OCH(CH_3)_2$ $C_{14}H_{18}N_2O_7$ $M = 326{,}31$ g/mol R: 23/24/25 S: 2-13-44 disposal: 7	FL. *2921*	1 g	28,25	24,–	22,60	21
63452	**Dinonyl ketone** PROSYNTH® *Dinonylcétone / Dinonilcetona* $CH_3(CH_2)_8CO(CH_2)_8CH_3$ $C_{19}H_{38}O$ $M = 282{,}51$ g/mol assay (GC) ..... 98% melting range ..... 56–58 °C	WG. *2913*	10 g	27,75	23,60	22,20	20
39642	**Dinonyl phthalate** for gas chromatography *Dinonyle phtalate / Dinonilo ftalato* $C_6H_4(COOC_9H_{19})_2$ $C_{26}H_{42}O_4$ $M = 418{,}62$ g/mol 1 L ≈ 0,98 kg working temperature ..... to 160 °C	FL. *2915*	50 ml	59,50	50,60	47,60	44
35767 A 6.1/81C C 6.1 ./. 2	**Dinoseb** min. 99% PESTANAL® (4,6-Dinitro-2-sec.-butylphenol) $(NO_2)_2C_6H_2(OH)CH(CH_3)CH_2CH_3$ $C_{10}H_{12}N_2O_5$ $M = 240{,}22$ g/mol R: 26/27/28 S: 1-13-44 disposal: 7	FL. *2907*	1 g	21,50	18,30	17,20	16

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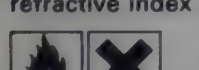
712 .1/81C .1 1615 3	**Dinoseb acetate** min. 99% PESTANAL® (4,6-Dinitro-2-sec.-butylphenyl acetate) $(NO_2)_2C_6H_2[CH(CH_3)CH_2CH_3]OOCCH_3$ $C_{12}H_{14}N_2O_6$ $M = 282{,}25$ g/mol R: 23/24/25 S: 2-13-44 disposal: 7	FL. 2914	2 g	56,50	48,05	45,20	42,40
2561	**Dioctylamine** PROSYNTH® *Dioctylamine / Dioctilamina* $CH_3(CH_2)_7NH(CH_2)_7CH_3$ $C_{16}H_{35}N$ $M = 241{,}46$ g/mol 1 L ≈ 0,80 kg assay (GC) 97%	FL. 2922	100 ml	60,—	51,—	48,—	45,—
3454	**Dioctyl ether** PROSYNTH® *Ether dioctylique / Eter dioctílico* $[CH_3(CH_2)_7]_2O$ $C_{16}H_{34}O$ $M = 242{,}44$ g/mol 1 L ≈ 0,81 kg assay (GC) ..... 97% boiling range ..... 284—286 °C refractive index (n_D^{20}) 1,433	FL. 2908	100 ml	54,50	46,35	43,60	40,90
3455	**Dioctyl ketone** PROSYNTH® *Dioctylcétone / Dioctilcetona* $CH_3(CH_2)_7CO(CH_2)_7CH_3$ $C_{17}H_{34}O$ $M = 254{,}46$ g/mol assay (GC) ..... 95% melting range ..... 50—52 °C	WG. 2913	10 g	25,25	21,45	20,20	18,95
	Dioctyl phthalate see Bis-(2-ethylhexyl) phthalate						
4952	**Dioctyltin dichloride** PROSYNTH® *Dioctylétain dichlorure / Dioctilestaño dicloruro* $(C_8H_{17})_2SnCl_2$ $C_{16}H_{34}Cl_2Sn$ $M = 416{,}04$ g/mol assay (ex Sn) ..... 96% melting range ..... 42—44 °C R: 23/24/25 S: 2-13-44 disposal: 10	WG. 2934	100 g	29,50	25,10	23,60	22,15
4953	**Dioctyltin oxide** PROSYNTH® *Dioctylétain oxyde / Dioctilestaño óxido* $(C_8H_{17})_2SnO$ $C_{16}H_{34}OSn$ $M = 361{,}13$ g/mol assay (ex Sn) ..... 97% R: 23/24/25 S: 2-13-44 disposal: 10	WG. 2934	100 g	30,75	26,15	24,60	23,05
4992 3/5 3.2 1165 2 5 °C	**1,3-Dioxan** PROSYNTH® *1-3-Dioxanne / 1,3-Dioxano*  $C_4H_8O_2$ $M = 88{,}11$ g/mol 1 L ≈ 1,03 kg assay (GC) ..... 99% boiling range ..... 103—105 °C refractive index (n_D^{20}) ..... 1,419 R: 11-19-20 S: 9-16-33 disposal: 5	FL. 2908	10 ml	34,—	28,90	27,20	25,50

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33147 A 3/5 C 3.2 1165 2 +5 °C	**1,4-Dioxan** R. G., Reag. Ph. Eur. I, stabilized with 2,6-di-*tert.*-butyl-4-methylphenol (25 mg/l) *1-4-Dioxanne / 1,4-Dioxano* $C_4H_8O_2$ *M* = 88,11 g/mol — **1 L ≈ 1,03 kg** assay (GC) ..... min. 99 % congealing range ..... +9 to 11 °C boiling range ..... 100—102 °C density (D_4^{20}) ..... 1,031—1,034 refractive index (n_D^{20}) ..... 1,4210—1,4240 non-volatile matter ..... max. 0,001 % water (according to Karl Fischer) ..... max. 0,1 % free acid (as CH_3COOH) ..... max. 0,001 % peroxides (as H_2O_2) ..... max. 0,005 % R: 11-19-20 S: 9-16-33 disposal: 5	FL. FL. EKL. *2908*	1 L 2,5 L 30 kg	52,— 109,— kg	44,20 90,45 24,—	40,55 85,—	38 81
34944 A 3/5 C 3.2 1165 2 +5 °C	**1,4-Dioxan** R. G. dried (max. 0,01 % H_2O), stabilized with 2,6-di-*tert.*-butyl-4-methylphenol (2,5 mg/l) *1-4-Dioxanne / 1,4-Dioxano* $C_4H_8O_2$ *M* = 88,11 g/mol — **1 L ≈ 1,03 kg** assay (GC) ..... min. 99,5 % congealing point ..... +9 to 11 °C boiling range ..... 100—102 °C density (D_4^{20}) ..... 1,031—1,034 refractive index (n_D^{20}) ..... 1,4210—1,4240 non-volatile matter ..... max. 0,0005 % water (according to Karl Fischer) ..... max. 0,01 % free acid (as CH_3COOH) ..... max. 0,001 % free alkali (as NH_3) ..... max. 0,001 % peroxides (as H_2O_2) ..... max. 0,005 % R: 11-19-20 S: 9-16-33 disposal: 5	FL. *2908*	500 ml	35,25	29,95	28,20	27
56011 A 3/5 C 3.2 1165 2 +5 °C	**1,4-Dioxan** for scintillation, stabilized with 2,6-di-*tert.*-butyl-4-methylphenol (2,5 mg/l) *1-4-Dioxanne / 1,4-Dioxano* $C_4H_8O_2$ *M* = 88,11 g/mol — **1 L ≈ 1,03 kg** R: 11-19-20 S: 9-16-33 disposal: 5	FL. *2908*	1 L	77,50	65,90	62,—	59
34916 A 3/5 C 3.2 1165 2 +5 °C	**1,4-Dioxan** SPECTRANAL® stabilized with 2,6-Di-*tert.*-butyl-4-methylphenol (2,5 mg/l) *1-4-Dioxanne / 1,4-Dioxano* $C_4H_8O_2$ *M* = 88,11 g/mol — **1 L ≈ 1,03 kg** assay (GC) ..... min. 99,5 % non-volatile matter ..... max. 0,0005 % free acid (as CH_3COOH) ..... max. 0,001 % water (acc. to Karl Fischer) ..... max. 0,05 % peroxides (as H_2O_2) ..... max. 0,005 % suitability for UV spectroscopy transmittance (1 cm cell/reference: water) transmittance/wavelength (nm): min. 40 %/225, min. 50 %/240, min. 70 %/260, min. 85 %/280, min. 93 %/290, min. 98 %/from 300 R: 11-19-20 S: 9-16-33 disposal: 5	FL. *2908*	250 ml	37,75	32,10	30,20	28

refer explanations

le-Number ID/ADR GVE/GGVS MDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
357 5 2 1165 2 °C	**1,4-Dioxan** CHROMASOLV® for chromatography (UV-detection) stabilized with 2,6-Di-*tert.*-butyl-4-methylphenol (2,5 mg/l) *1-4-Dioxanne / 1,4-Dioxano* $CH_2CH_2OCH_2CH_2O$ $C_4H_8O_2$ *M* = 88,11 g/mol 1 L ≈ 1,03 kg assay (GC) ..... min. 99,5 % non-volatile matter ..... max. 0,0005 % water (according to Karl Fischer) ..... max. 0,05 % free acid (as CH_3COOH) ..... max. 0,001 % peroxides (as H_2O_2) ..... max. 0,005 % transmittance (1 cm cell; reference water) transmittance/wavelength (nm) min. 20 %/220, 80 %/270, min. 98 %/from 300 R: 11-19-20 S: 9-16-33 disposal: 5	FL. *2908*	1 L	117,50	99,90	94,—	90,50
225 3/5 .2 1165 2 5°C	**1,4-Dioxan** chem. pure, stabilized with 2,6-di-*tert.*-butyl-4-methylphenol (25 mg/l) *1-4-Dioxanne / 1,4-Dioxano* $CH_2CH_2OCH_2CH_2O$ $C_4H_8O_2$ *M* = 88,11 g/mol 1 L ≈ 1,03 kg assay (GC) ..... 99,5 % boiling range ..... 101—102 °C density (D_4^{20}) ..... 1,031—1,034 refractive index (n_D^{20}) ..... 1,4210—1,4240 non-volatile matter ..... 0,002 % water (according to Karl Fischer) ..... 0,1 % free acid (as CH_3COOH) ..... 0,001 % peroxides (as H_2O_2) ..... 0,005 % R: 11-19-20 S: 9-16-33 disposal: 5	FL. FL. EKL. EKL. EKL. EKL. F. *2908*	500 ml 1 L 30 kg 5x 10x 20x 210 kg	19,50 35,25 kg kg kg kg price on request	16,60 29,95 12,— 11,30 10,90 10,50	15,60 28,20	15,— 27,15
4224 3/5 3.2 1165 2 5°C	**1,4-Dioxan** stabilized with 2,6-di-*tert.*-butyl-4-methylphenol (25 mg/l) *1-4-Dioxanne / 1,4-Dioxano* $CH_2CH_2OCH_2CH_2O$ $C_4H_8O_2$ *M* = 88,11 g/mol 1 L ≈ 1,03 kg assay (GC) ..... 99 % boiling range ..... 101—103 °C density (D_4^{20}) ..... 1,031—1,034 refractive index (n_D^{20}) ..... 1,4210—1,4240 water (according to Karl Fischer) ..... 0,2 % R: 11-19-20 S: 9-16-33 disposal: 5	FL. FL. EKL. EKL. F. *2908*	1 L 2,5 L 30 kg 5x 210 kg	31,75 66,50 kg kg price on request	27,— 55,20 8,80 8,50	25,40 51,85	24,45 49,90
9049 3/5 3.2 1165 2 5°C	**1,4-Dioxan-d_8** deuteration degree not less than 99 atom % D *1-4-Dioxanne-d_8 / 1,4-Dioxano-d_8* $CD_2CD_2OCD_2CD_2O$ $C_4D_8O_2$ *M* = 96,04 g/mol 1 L ≈ 1,15 kg R: 11-19-20 S: 9-16-33 disposal: 5	A. *2851*	5 ml	202,—	171,70	161,60	151,50
4236 3/1A 3.2 1165 2 5°C	**Dioxan/*iso*-butanol** (70:30) clearing fluid for membrane foils-electrophoresis *Dioxanne/iso-butanol / Dioxano/iso-butanol* 1 L ≈ 0,96 kg R: 11-19-20 S: 9-16-33 disposal: 6	FL. *3818*	1 L	30,75	26,15	24,60	23,70

9,10-Dioxo-9,10-dihydroanthracene see Anthraquinone

9,10-Dioxo-9,10-dihydrophenanthrene see Phenanthrenequinone-(9,10)

9,10-Dioxo-2-ethyl-9,10-dihydroanthracene see 2-Ethylanthraquinone

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	2,4-Dioxoimidazolidine see Hydantoin						
	2,4-Dioxo-5-iminohexahydropyrimidine see 5-Aminouracil						
	1,3-Dioxoindane see Indanedione-(1,3)						
62562 A 3/5 C 3.2 1993 2 +20 °C	**1,3-Dioxolane** PROSYNTH® *1-3-Dioxolanne / 1,3-Dioxolano* $OCH_2OCH_2CH_2$ $C_3H_6O_2$ $M = 74,08$ g/mol **1 L ≈ 1,06 kg** assay (GC) ..... 99% boiling range ..... 74–76 °C refractive index (n_D^{20}) ..... 1,401 R: 11 S: 16 disposal: 6	FL. *2910*	100 ml	12,50	10,65	10,—	9
	3,4-Dioxo-2-methyl-2,3-dihydro-1,4-pyrane see 3-Hydroxy-2-methyl-1,4-pyrone						
	2,6-Dioxo-5-methylpyrimidine see Thymine						
	5,7-Dioxo-2-oxo-4-methyl-(1,2-chromene) see 5,7-Dihydroxy-4-methylcoumarin						
	1,3-Dioxo-1-phenylbutane see Benzoylacetone						
	1,3-Dioxo-2-phenylindane see 2-Phenylindanedione-(1,3)						
	1,3-Dioxoquinoline see Phthalimide						
	2,3-Dioxotetrahydroquinoxaline see 2,3-Dihydroxyquinoxalene						
39401	**L-β,γ-Dipalmitoyl-α-lecithin** BIOSYNTH® *L-β,γ-Dipalmitoyle-α-lécithine / L-β,γ-Dipalmitoilo-α-lecitina* package of 250 mg $C_{40}H_{80}NO_8P$ $M = 734,05$ g/mol	*2924*	1 pack	71,50	60,80	57,20	53
63365 A 8/35 C 8 1760 2 +66 °C	**Dipentylamine** PROSYNTH® (isomers mixture) *Dipentylamine / Dipentilamina* $C_{10}H_{23}N$ $M = 157,30$ g/mol **1 L ≈ 0,78 kg** assay (ex N) 95%	FL. *2922*	250 ml	26,25	22,30	21,—	19
	Di-*iso*-pentyl ether see Di-*iso*-amyl ether						
	Dipentyl ketone see Undecanone-(6)						
	Diphenic acid see 2,2'-Biphenyldicarboxylic acid						
	Diphenyl see Biphenyl						
62563	**Diphenylacetaldehyde** PROSYNTH® *Diphénylacétaldéhyde / Difenilacetaldehido* $(C_6H_5)_2CHCHO$ $C_{14}H_{12}O$ $M = 196,25$ g/mol **1 L ≈ 1,10 kg** assay (GC) ..... 98% boiling range (at 24 mbar) ..... 175–178 °C refractive index (n_D^{20}) 1,590	FL. *2911*	25 ml	61,50	52,30	49,20	46
62571	**Diphenylacetic acid** PROSYNTH® *Acide diphénylacétique / Acido difenilacético* $(C_6H_5)_2CHCOOH$ $C_{14}H_{12}O_2$ $M = 212,25$ g/mol assay (alkalimetric) ..... 99% melting range ..... 146–148 °C	PF. *2914*	100 g	22,—	18,70	17,60	16
62564	**1,3-Diphenylacetone** PROSYNTH® *1-3-Diphénylacétone / 1,3-Difenilacetona* $(C_6H_5CH_2)_2CO$ $C_{15}H_{14}O$ $M = 210,28$ g/mol assay (GC) ..... 99% melting range ..... 32–34 °C	WG. *2913*	100 g	44,75	38,05	35,80	33

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565 1/21A 1 2811 1	**Diphenylacetonitrile** PROSYNTH® *Diphénylacétonitrile / Difenilacetonitrilo* $(C_6H_5)_2CHCN$ $C_{14}H_{11}N$ M = 193,25 g/mol assay (GC) ..... 99% melting range ..... 72–74 °C	PF. 2927	100 g	26,25	22,30	21,–	19,70
331	**Diphenylacetylene** PROSYNTH® *Diphénylacétylène / Difenilacetileno* $C_6H_5C{\equiv}CC_6H_5$ $C_{14}H_{10}$ M = 178,23 g/mol assay (UV) ..... 99% melting range ..... 59–61 °C log $\varepsilon_{/280}$ (C_2H_5OH) 4,505	WG. 2901	10 g	64,–	54,40	51,20	48,–
149	**Diphenylamine** R. G., Reag. ACS, Reag. Ph. Eur. I *Diphénylamine / Difenilamina* $(C_6H_5)_2NH$ $C_{12}H_{11}N$ M = 169,23 g/mol assay ..... min. 98% melting range ..... 52,5–54,0 °C insoluble in ethanol ..... max. 0,01% sulphated ash ..... max. 0,03% iron (Fe) ..... max. 0,001% nitrate (NO_3) ..... passes test aniline ..... passes test R: 23/24/25-33 S: 28-36/37-44 disposal: 19	WG. WG. 2922	100 g 250 g	13,75 28,50	11,70 24,25	11,– 22,80	10,30 21,40
0158	**Diphenylamine** PROSYNTH® *Diphénylamine / Difenilamina* $(C_6H_5)_2NH$ $C_{12}H_{11}N$ M = 169,23 g/mol assay (GC) ..... 99% melting range ..... 52–54 °C R: 23/24/25-33 S: 28-36/37-44 disposal: 19	WG. WG. 2922	250 g 1 kg	9,75 24,25	8,30 20,60	7,80 19,40	7,30 18,65
0159	**Diphenylamine-2-carboxylic acid** PROSYNTH® *Acide diphénylaminocarboxylique-(2) / Acido difenilaminocarboxilico-(2)* $C_6H_5NHC_6H_4COOH$ $C_{13}H_{11}NO_2$ M = 213,24 g/mol assay (alkalimetric) ..... 97% melting range ..... 178–182 °C (disint.)	PF. PF. 2923	250 g 1 kg	118,– 393,–	100,30 334,05	94,40 314,40	88,50 302,60
13916 6.1/71 6.1 1564 3	**Diphenylaminesulphonic acid barium salt** redox indicator *Acide diphénylaminosulfonique sel de baryum / Acido difenilaminosulfónico sal de bario* $(C_6H_5NHC_6H_4SO_3)_2Ba$ $C_{24}H_{20}BaN_2O_6S_2$ M = 633,89 g/mol R: 20/22 S: 28 disposal: 24	PF. 2922	25 g	107,–	90,95	85,60	80,25
33150	**Diphenylaminesulphonic acid sodium salt** Reag. ACS indicator for the determination of the redox potential, E_0 in H_2SO_4 1 mol/l about +0,83 volt; rH 27–29 *Acide diphénylaminosulfonique sel sodique / Acido difenilaminosulfónico sal sódica* $C_6H_5NHC_6H_4SO_3Na$ $C_{12}H_{10}NNaO_3S$ M = 271,27 g/mol	WG. WG. 2922	10 g 25 g	35,75 80,–	30,40 68,–	28,60 64,–	26,80 60,–
	Diphenylbenzene see Terphenyl						

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33184	**N,N'-Diphenylbenzidine** R. G. *N-N'-Diphénylbenzidine / N,N'-Difenilbencidina* $C_6H_5NHC_6H_4C_6H_4NHC_6H_5$ $C_{24}H_{20}N_2$ M = 336,44 g/mol melting range ..... 244—246 °C sulphated ash ..... max. 0,1%	WG. *2922*	10 g	37,75	32,10	30,20	28
62569	**1,4-Diphenylbutadiene-(1,3)** PROSYNTH® *1-4-Diphénylbutadiène-(1-3) / 1,4-Difenilbutadieno-(1,3)* $C_6H_5CH=CHCH=CHC_6H_5$ $C_{16}H_{14}$ M = 206,29 g/mol melting range ..... 150—152 °C	WG. *2901*	10 g	29,75	25,30	23,80	22,
62570	**N,N-Diphenylcarbamoyl chloride** PROSYNTH® *N-N-Diphénylcarbamoyle chlorure / N,N-Difenicarbamoilo cloruro* $(C_6H_5)_2NCOCl$ $C_{13}H_{10}ClNO$ M = 231,68 g/mol assay (ex Cl) ..... 98% melting range ..... 83—85 °C	WG. *2925*	100 g	86,—	73,10	68,80	64,
33152	**Diphenylcarbazide** R. G., Reag. Ph. Eur. I *Diphénylcarbazide / Difenilcarbazida* $CO(NHNHC_6H_5)_2$ $C_{13}H_{14}N_4O$ M = 242,28 g/mol assay (HPLC) ..... min. 98% melting range ..... 170—171 °C insoluble in ethanol ..... passes test sulphated ash ..... max. 0,05% diphenylcarbaozone ..... passes test suitability for determination of mercury .... passes test	WG. WG. WG. *2929*	10 g 25 g 100 g	13,75 23,25 72,—	11,70 19,75 61,20	11,— 18,60 57,60	10; 17, 54,
33153	**Diphenylcarbazone** R. G. *Diphénylcarbazone / Difenilcarbazona* $C_6H_5NHNHCONNC_6H_5$ $C_{13}H_{12}N_4O$ M = 240,26 g/mol insoluble in ethanol ..... passes test sulphated ash ..... max. 0,1% suitability for determination of mercury .... passes test	WG. WG. WG. *2929*	5 g 10 g 100 g	12,50 18,— 135,50	10,65 15,30 115,20	10,— 14,40 108,40	9, 13, 101,
	1,5-Diphenylcarbohydrazide see Diphenylcarbazide						
62717	**Diphenyl carbonate** PROSYNTH® *Diphényle carbonate / Difenilo carbonato* $(C_6H_5O)_2CO$ $C_{13}H_{10}O_3$ M = 214,22 g/mol assay (alkalimetric) ..... 98% melting range ..... 78—80 °C	PF. *2921*	500 g	19,75	16,80	15,80	15,
62339 A 6.1/81A C 6.1 1893 3	**Diphenyl chlorophosphate** PROSYNTH® *Diphényle chlorophosphate / Difenilo clorofosfato* $(C_6H_5O)_2P(=O)Cl$ $C_{12}H_{10}ClO_3P$ M = 268,64 g/mol **1 L ≈ 1,30 kg** assay (ex Cl) ..... 95% boiling range (at 16 mbar) ..... 191—194 °C refractive index (n_D^{20}) 1,550	FL. *2919*	100 ml	75,—	63,75	60,—	56,
	Diphenyldiimide see Azobenzene						
	4,5-Diphenyl-1,3-dioxolone-(2) see 1,2-Diphenylvinylencarbonate						
64567	**Diphenyl disulfide** PROSYNTH® *Diphényle disulfure / Difenilo disulfuro* $C_6H_5SSC_6H_5$ $C_{12}H_{10}S_2$ M = 218,34 g/mol assay (ex S) ..... 97% melting range ..... 58—60 °C	WG. *2931*	100 g	39,25	33,35	31,40	29,
	1,4-Diphenyl-3,5-endanilo-1,2,4-triazoline see Nitron						
	Diphenylene oxide see Dibenzofuran						

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	Diphenylene sulphide see Dibenzothiophene						
456	**1,1-Diphenylethanol** PROSYNTH® *1-1-Diphényléthanol / 1,1-Difeniletanol* $CH_3C(C_6H_5)_2OH$ $C_{14}H_{14}O$ M = 198,26 g/mol	WG. *2905*	10 g	36,—	30,60	28,80	27,—
157 °C	**Diphenyl ether** PROSYNTH® (diphenyl oxide) *Ether diphénylique / Eter difenílico* $(C_6H_5)_2O$ $C_{12}H_{10}O$ M = 170,21 g/mol **1 L ≈ 1,16 kg** assay (GC) ..... 99% melting range ..... 25—27 °C	FL. *2908*	1 kg	36,—	30,60	28,80	27,70
566	**1,2-Diphenylethylamine** PROSYNTH® *Diphényl-1-2-éthylamine / 1,2-Difeniletilamina* $C_6H_5CH_2CH(NH_2)C_6H_5$ $C_{14}H_{15}N$ M = 197,28 g/mol **1 L ≈ 1,04 kg** assay (GC) ..... 98% boiling range (at 1000 mbar) ..... 309—311 °C refractive index (n_D^{20}) 1,581	FL. *2922*	50 ml	55,50	47,20	44,40	41,65
2566	**1,1-Diphenylethylene** PROSYNTH® *1-1-Diphényléthylène / 1,1-Difeniletileno* $(C_6H_5)_2C=CH_2$ $C_{14}H_{12}$ M = 180,25 g/mol **1 L ≈ 1,03 kg** assay (GC) ..... 97% boiling range ..... 274—277 °C refractive index (n_D^{20}) 1,608	FL. *2901*	50 ml	184,—	156,40	147,20	138,—
	***cis*-1,2-Diphenylethylene** see *cis*-Stilbene						
	1,2-Diphenylethylene see *trans*-Stilbene						
2567	**N,N'-Diphenylethylenediamine** PROSYNTH® *N-N'-Diphényléthylènediamine / N,N'-Difeniletilendiamina* $C_6H_5NHCH_2CH_2NHC_6H_5$ $C_{14}H_{16}N_2$ M = 212,29 g/mol assay ..... 98% melting range ..... 64—66 °C	WG. *2922*	10 g	16,25	13,80	13,—	12,20
0417	**N,N'-Diphenylformamidine** PROSYNTH® *N-N'-Diphénylformamidine / N,N'-Difenilformamidina* $C_{13}H_{12}N_2$ M = 196,25 g/mol assay ..... 97% melting range ..... 136—138 °C	PF. *2926*	100 g	105,—	89,25	84,—	78,75
4065	**N,N'-Diphenylformamidine hydrochloride** PROSYNTH® *N-N'-Diphénylformamidine chlorhydrate /* *N,N'-Difenilformamidina chlorhidrato* $C_6H_5NHCH=NC_6H_5 \cdot HCl$ $C_{13}H_{13}ClN_2$ M = 232,71 g/mol assay (ex N) ..... 99% melting range ..... 259—260 °C	WG. *2926*	25 g	27,75	23,60	22,20	20,80
	Diphenylglycollic acid see Benzilic acid						
4568	**5,5-Diphenylhydantoin** PROSYNTH® *Diphényl-5-5-hydantoïne / 5,5-Difenilhidantoína* $NHCONHCOC(C_6H_5)_2$ $C_{15}H_{12}N_2O_2$ M = 252,27 g/mol assay (HPLC) ..... 98% melting range ..... 291—294 °C	PF. *2925*	250 g	31,75	27,—	25,40	23,80
	N,N'-Diphenylhydrazine see Hydrazobenzene						
4066	**1,1-Diphenylhydrazine** PROSYNTH® *1-1-Diphénylhydrazine / 1,1-Difenilhidracina* $(C_6H_5)_2NNH_2$ $C_{12}H_{12}N_2$ M = 184,24 g/mol	FL. *2929*	5 g	29,25	24,85	23,40	21,95

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62572	**N,N-Diphenylhydrazinium chloride** PROSYNTH® *N-N-Diphénylhydrazine chlorhydrate / N,N-Difenilhidracina clorhidrato* $(C_6H_5)_2NNH_2 \cdot HCl$ $C_{12}H_{13}ClN_2$ $M = 220{,}70$ g/mol assay (ex Cl) ..... 98% melting range ..... 162–164 °C (disint.)	WG. *2929*	10 g	22,50	19,15	18,—	16,9
64993	**Diphenyliodonium chloride** PROSYNTH® *Diphényliodonium chlorure / Difenilyodonio cloruro* $C_6H_5J(Cl)C_6H_5$ $C_{12}H_{10}ClJ$ $M = 316{,}57$ g/mol assay (ex Cl) ..... 99% melting range ..... 225–230 °C (disint.)	WG. *2902*	5 g	38,25	32,50	30,60	28,9
62575 A 6.1/53 C 6.1 2025 2	**Diphenylmercury** PROSYNTH® *Diphénylmercure / Difenilmercurio* $(C_6H_5)_2Hg$ $C_{12}H_{10}Hg$ $M = 354{,}80$ g/mol melting range ..... 124–126 °C R: 26/27/28-33 S: 2-13-28-36-45 disposal: 10	WG. *2933*	25 g	36,75	31,25	29,40	27,5
62573	**Diphenylmethane** PROSYNTH® *Diphénylméthane / Difenilmetano* $(C_6H_5)_2CH_2$ $C_{13}H_{12}$ $M = 168{,}24$ g/mol 1 L ≈ 1,01 kg assay (GC) ..... 99% melting range ..... 24–26 °C	FL. *2901*	1 L	60,—	51,—	48,—	46,2
	Diphenylmethylcarbinol see 1,1-Diphenylethanol						
	Diphenylmethyl chloride see Chlorodiphenylmethane						
64067	**Diphenylolcyclohexane** PROSYNTH® *Diphénylolcyclohexane / Difenilolciclohexano* $C_{18}H_{20}O_2$ $M = 268{,}35$ g/mol assay (HPLC) 95%	WG. *2906*	50 g	32,50	27,65	26,—	24,4
	Diphenyl oxide see Diphenyl ether						
	4,7-Diphenyl-1,10-phenanthroline see Bathophenanthroline						
	4,7-Diphenyl-1,10-phenanthroline disulphonic acid disodium salt see Bathophenanthroline disulphonic acid disodium salt						
62574 A 6.1/21H C 6.1 2811 3	**N,N'-Diphenyl-p-phenylenediamine** PROSYNTH® *N-N'-Diphényl-p-phénylènediamine / N,N'-Difenil-p-fenilendiamina* $C_6H_5NHC_6H_4NHC_6H_5$ $C_{18}H_{16}N_2$ $M = 260{,}34$ g/mol	WG. *2922*	250 g	24,75	21,05	19,80	18,5
	Diphenyl phosphorochloridate see Diphenyl chlorophosphate						
	Diphenylphosphoryl chloride see Diphenyl chlorophosphate						
	1,3-Diphenylpropanedione-(1,3) see Dibenzoylmethane						
62576 A 6.1/21 C 6.1 2810 3	**Diphenyl sulphide** PROSYNTH® *Diphényle sulfure / Difenilo sulfuro* $(C_6H_5)_2S$ $C_{12}H_{10}S$ $M = 186{,}28$ g/mol 1 L ≈ 1,12 kg assay (GC) ..... 99% boiling range (at 0,13 mbar) ..... 97–99 °C refractive index (n_D^{20}) 1,633	FL. *2931*	100 ml	119,—	101,15	95,20	89,2

refer explanations

de-Number ID/ADR GVE/GGVS MDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
577	**Diphenylsulphone** PROSYNTH® *Diphénylsulfone / Difenilsulfona* $(C_6H_5)_2SO_2$ $C_{12}H_{10}O_2S$ *M* = 218,28 g/mol	PF. *2931*	500 g	22,50	19,15	18,—	17,35
569	**Diphenyl sulphoxide** PROSYNTH® *Diphényle sulfoxyde / Difenilo sulfóxido* $(C_6H_5)_2SO$ $C_{12}H_{10}OS$ *M* = 202,28 g/mol assay (ex S) ..... 97% melting range ..... 68—70 °C	WG. *2931*	50 g	52,50	44,65	42,—	39,40
	Diphenylthiocarbazone see Dithizone						
6216 6.1/81D 6.1 1609 2	**Diphenylthiourea** technical *Diphénylthiourée / Difeniltiourea* $(C_6H_5NH)_2CS$ $C_{13}H_{12}N_2S$ *M* = 228,32 g/mol R: 26/27/28-39 S: 1-13-45 disposal: 6	PF. *2931*	1 kg	38,25	32,50	30,60	29,45
9076	**1,2-Diphenylvinylencarbonate** BIOSYNTH® *1-2-Diphénylvinylènecarbonate / Difenil-1,2-vinilenocarbonato* $\underline{OC(O)OC(C_6H_5)=C}C_6H_5$ $C_{15}H_{10}O_3$ *M* = 238,24 g/mol assay (GC) ..... 99% melting range ..... 74—76 °C	WG. *2921*	10 g	60,—	51,—	48,—	45,—
	Diphosphopyridine dinucleotide see Nicotinamide adenine dinucleotide						
0352 8 1760 2	**Diphosphoric acid** PROSYNTH® cryst. *Acide diphosphorique / Acido difosfórico* $H_4P_2O_7$ *M* = 177,97 g/mol assay ..... 95% H_3PO_4 ..... 2% higher polyphosphates ..... 3% R: 34 S: 26 disposal: 1	WG. *2810*	500 g	65,50	55,70	52,40	50,45
4125 8 1760 2	**Diphosphoric acid** *Acide diphosphorique / Acido difosfórico* plastic bottle of 250 g $H_4P_2O_7$ *M* = 177,97 g/mol assay of phosphorus(V) oxide (P_2O_5) ..... 80% iron (Fe) ..... 0,002% heavy metals (as Pb) ..... 0,001% chloride (Cl) ..... 0,003% sulphate (SO_4) ..... 0,005% R: 34 S: 26 disposal: 1	*2810*	1 pack	24,75	21,05	19,80	18,55
4126 8 1760 2	**Diphosphoric acid** *Acide diphosphorique / Acido difosfórico* plastic bottle of 1 kg $H_4P_2O_7$ *M* = 177,97 g/mol assay of phosphorus(V) oxide (P_2O_5) ..... 80% iron (Fe) ..... 0,002% heavy metals (as Pb) ..... 0,001% chloride (Cl) ..... 0,003% sulphate (SO_4) ..... 0,005% R: 34 S: 26 disposal: 1	*2810*	1 pack	57,50	48,90	46,—	43,15

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Box
04127 C 8 1760 2	**Diphosphoric acid** *Acide diphosphorique / Acido difosfórico* plastic bottle of 5 kg $H_4P_2O_7$ $M = 177,97$ g/mol assay of phosphorus(V) oxide (P_2O_5) ..... 80 % iron (Fe) ..... 0,002 % heavy metals (as Pb) ..... 0,001 % chloride (Cl) ..... 0,003 % sulphate (SO_4) ..... 0,005 % R: 34 S: 26 disposal: 1	*2810*	1 pack	218,—	185,30	174,40	163,
	Diphosphorus pentoxide see Phosphorus(V) oxide						
	2,6-Dipicolinic acid see 2,6-Pyridinedicarboxylic acid						
33168 C 1.1 0079	**Dipicrylamine** R. G., (with 0,5 ml H_2O/g) *Dipicrylamine / Dipicrilamina* $(NO_2)_3C_6H_2NHC_6H_2(NO_2)_3$ $C_{12}H_5N_7O_{12}$ $M = 439,21$ g/mol assay (for dry substance) ..... min. 99 % melting range ..... 243—244 °C	PF. *2922*	25 g	38,50	32,75	30,80	28,
	Dipotassium hydrogen phosphate see *di*-Potassium hydrogen phosphate						
	R: 2-4-23/24/25 S: 28-35-37-44 disposal: 20						
62578	**Di-*iso*-propanolamine** PROSYNTH® *Di-iso-propanolamine / Di-iso-propanolamina* $(CH_3CHOHCH_2)_2NH$ $C_6H_{15}NO_2$ $M = 133,19$ g/mol assay (GC) ..... 98 % melting range ..... 42—45	FL. *2923*	1 kg	24,—	20,40	19,20	18,
64573 A 3/1A C 3.2 2383 2 -7 °C	**Dipropylamine** PROSYNTH® *Dipropylamine / Dipropilamina* $(C_3H_7)_2NH$ $C_6H_{15}N$ $M = 101,19$ g/mol **1 L ≈ 0,74 kg** assay (GC) ..... 99 % boiling range ..... 109—111 °C refractive index (n_D^{20}) ..... 1,405 R: 11-36/37/38 S: 9-16 disposal: 19	FL. *2922*	500 ml	20,75	17,65	16,60	16,
62580 A 3/1A C 3.2 2383 2 -7 °C	**Di-*iso*-propylamine** PROSYNTH® *Di-iso-propylamine / Di-iso-propilamina* $(CH_3)_2CHNHCH(CH_3)_2$ $C_6H_{15}N$ $M = 101,19$ g/mol **1 L ≈ 0,72 kg** assay (GC) ..... 98 % boiling range ..... 82—84 °C refractive index (n_D^{20}) ..... 1,392 R: 11-36/37/38 S: 9-16 disposal: 19	FL. *2922*	1 L	28,25	24,—	22,60	21
64499	**Di-*iso*-propyl azodicarboxylate** PROSYNTH® *Di-iso-propyle azodicarboxylate / Di-iso-propilo azodicarboxilato* $C_8H_{14}N_2O_4$ $M = 202,21$ g/mol $(CH_3)_2CHOCON=NCOOCH(CH_3)_2$ **1 L ≈ 1,04 kg** assay (GC) ..... 95 % boiling range (at 17 mbar) ..... 105—107 °C refractive index (n_D^{20}) 1,421	FL. *2928*	100 ml	43,75	37,20	35,—	32

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424 /4 7 °C	**1,3-Di-*iso*-propylbenzene** PROSYNTH® *1-3-Di-iso-propylbenzène / 1,3-Di-iso-propilbenceno* $(CH_3)_2CHC_6H_4CH(CH_3)_2$ $C_{12}H_{18}$ $M = 162{,}27$ g/mol **1 L ≈ 0,86 kg** assay (GC) ..... 96 % 1,2-isomer ..... 3 % 1,4-isomer ..... 1 %	FL. *2901*	1 L	35,—	29,75	28,—	26,95
425 3/4 4 °C	**1,4-Di-*iso*-propylbenzene** PROSYNTH® *1-4-Di-iso-propylbenzène / 1,4-Di-iso-propilbenceno* $(CH_3)_2CHC_6H_4CH(CH_3)_2$ $C_{12}H_{18}$ $M = 162{,}28$ g/mol **1 L ≈ 0,86 kg** assay(GC) ..... 92 % 1,3-isomer ..... 5 %	FL. *2901*	1 L	43,75	37,20	35,—	33,70
	Dipropylcarbinol see Heptanol-(4)						
4574 3/3 3.3 1993 31 °C	**N,N'-Di-*iso*-propylcarbodiimide** PROSYNTH® *N-N'-Di-iso-propylcarbodiimide / N,N'-Di-iso-propilcarbodiimida* $(CH_3)_2CHN=C=NCH(CH_3)_2$ $C_7H_{14}N_2$ $M = 126{,}20$ g/mol **1 L ≈ 0,82 kg** assay (GC) ..... 97 % boiling range ..... 145—148 °C refractive index (n_D^{20}) ..... 1,434 R: 10 disposal: 6	FL. *2926*	10 ml	18,—	15,30	14,40	13,50
2581	**Dipropylene glycol** mixture of isomers PROSYNTH® *Dipropylèneglycol / Dipropilenglicol* $CH_3CH(OH)CH_2OCH_2CH(OH)CH_3$ $C_6H_{14}O_3$ $M = 134{,}17$ g/mol **1 L ≈ 1,03 kg** assay (GC) ..... 97 % boiling range ..... 228—230 °C refractive index (n_D^{20}) 1,441	FL. *2908*	1 L	15,50	13,20	12,40	11,95
3159 3/1A 3.1 1159 2 2 °C	**Di-*iso*-propyl ether** R. G. stabilized with 2,6-di-*tert.*-butyl-4-methyl-phenol (5 mg/l) *Ether di-iso-propylique / Eter di-iso-propílico* $(CH_3)_2CHOCH(CH_3)_2$ $C_6H_{14}O$ $M = 102{,}18$ g/mol **1 L ≈ 0,72 kg** assay (GC) ..... min. 99 % boiling range ..... 66—69 °C density (D_4^{20}) ..... 0,723—0,726 refractive index (n_D^{20}) ..... 1,3660—1,3700 non-volatile matter ..... max. 0,001 % water (according to Karl Fischer) ..... max. 0,01 % free acid (as CH_3CH_2COOH) ..... max. 0,05 % aluminium (Al) ..... max. 0,00005 % barium (Ba) ..... max. 0,00001 % lead (Pb) ..... max. 0,00001 % boron (B) ..... max. 0,000002 % cadmium (Cd) ..... max. 0,000005 % calcium (Ca) ..... max. 0,00005 % chromium (Cr) ..... max. 0,000002 % iron (Fe) ..... max. 0,00001 % cobalt (Co) ..... max. 0,000002 % copper (Cu) ..... max. 0,000002 % magnesium (Mg) ..... max. 0,00001 % manganese (Mn) ..... max. 0,000002 % nickel (Ni) ..... max. 0,000002 % zinc (Zn) ..... max. 0,00001 % tin (Sn) ..... max. 0,00001 % peroxides (as H_2O_2) ..... max. 0,001 % R: 11-19 S: 9-16-33 disposal: 6	FL. FL. *2908*	1 L 2,5 L	14,25 29,50	12,10 24,50	11,40 23,—	10,95 22,15

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24241 A 3/1A C 3.1 1159 2 -22 °C	**Di-*iso*-propyl ether** stabilized with 2,6-di-*tert.*-butyl-4-methylphenol (5 mg/l) *Ether di-iso-propylique / Eter di-iso-propílico* $(CH_3)_2CHOCH(CH_3)_2$ $C_6H_{14}O$ $M = 102{,}18$ g/mol **1 L ≈ 0,72 kg** assay (GC) ..... 98 % boiling range ..... 66—69 °C density (D_4^{20}) ..... 0,723—0,726 refractive index (n_D^{20}) ..... 1,3660-1,3700 non-volatile matter ..... 0,005 % water (according to Karl Fischer) ..... 0,5 %	FL. FL. EKL. F. *2908*	1 L 2,5 L 20 kg 147 kg	12,75 26,25 kg kg	10,85 21,80 5,60 4,70	10,20 20,50	9, 19,
64572 A 3/1A C 3.2 1993 2 -3 °C	**N,N-Di-*iso*-propylethylamine** PROSYNTH® *N-N-Di-iso-propyléthylamine / N,N-Di-iso-propiletilamina* $[(CH_3)_2CH]_2NCH_2CH_3$ $C_8H_{19}N$ $M = 129{,}24$ g/mol **1 L ≈ 0,75 kg** assay (GC) ..... 98 % boiling range ..... 125—127 °C refractive index (n_D^{20}) ..... 1,413 R: 11-36/37/38 S: 9-16 disposal: 19	FL. *2922*	250 ml	46,50	39,55	37,20	34,
	Dipropyl ketone see Heptanone-(4)						
	Di-*iso*-propyl ketone see 2,4-Dimethylpentanone-(3)						
63426 A 6.1/13C C 6.1 2810 2	**2,6-Di-*iso*-propylphenol** PROSYNTH® *2-6-Di-iso-propylphénol / 2,6-Di-iso-propilfenol* $[(CH_3)_2CH]_2C_6H_3OH$ $C_{12}H_{18}O$ $M = 178{,}27$ g/mol **1 L ≈ 0,95 kg** assay (GC) ..... 90 %	FL. *2906*	100 ml	25,75	21,90	20,60	19
64142 A 6.1/81A C 6.1 1609 3	**Di-*iso*-propyl phosphite** PROSYNTH® *Di-iso-propyle phosphite / Di-iso-propilo fosfito* $[(CH_3)_2CHO]_2P(O)H$ $C_6H_{15}O_3P$ $M = 166{,}16$ g/mol boiling range (at 13 mbar) ..... 72—75 °C	FL. *2919*	250 ml	26,75	22,75	21,40	20
	Dipropyl sulphide-3,3'-dicarboxylic acid see 4,4'-Dithiodibutyric acid						
	4,4'-Dipyridine see 4,4'-Bipyridine						
	2,2'-Dipyridyl see 2,2'-Bipyridine						
63459	**2,2'-Dipyridylamine** PROSYNTH® *2-2'-Dipyridylamine / 2,2'-Dipiridilamina* N=CHCH=CHCH=CNHC=CHCH=CHCH=N $C_{10}H_9N_3$ $M = 171{,}20$ g/mol assay ..... 99 % melting range ..... 90—92 °C	WG. *2935*	10 g	28,75	24,45	23,—	21
	Direct red 2 see Benzopurpurine 6 B						
	Direct red 28 see Congo red						
31821 A 8/1A C 8 1831 1	**Disintegrating mixture** for nitrogen determination *Mélange de désagrégation / Mezcla desintregadora* **1 L ≈ 1,76 kg** R: 35 S: 2-26-30 disposal: 11	FL. *3819*	1 L	14,50	12,35	11,60	11
	Disodium hydrogen phosphate see *di*-Sodium hydrogen phosphate						
	Disodium monomolybdate see Sodium molybdate						
	Disodium pentacyanonitrosylferrate see Sodium nitroprusside						
	Disodium phenylphosphate see *di*-Sodium phenylphosphate						
	Disodium tetraborate see Sodium tetraborate						

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889 6.1/81A 6.1 1615 1	**Disulfoton** min. 98% PESTANAL® (O,O-Diethyl-S-[thiapentyl]-phosphorodithioate) $(CH_3CH_2O)_2P(S)SCH_2CH_2CH_2SCH_2CH_3$ $C_8H_{19}O_2PS_3$ M = 274,41 g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 26/27/28 S: 1-13-28-45 disposal: 7	FL. 2921	2 g	42,75	36,35	34,20	32,05
	Disulphur dichloride see Sulphur chloride						
1575	**1,3-Dithiane** PROSYNTH® *Dithiane-1-3 / 1,3-Ditiano* $S(CH_2)_3SCH_2$ $C_4H_8S_2$ M = 120,24 g/mol assay (GC) ..... 97% melting range ..... 52–54 °C R: 23/24/25 S: 44 disposal: 7	WG. 2935	10 g	43,25	36,75	34,60	32,45
2582	**2,2'-Dithiodibenzoic acid** PROSYNTH® *Acide 2-2'-dithiodibenzoïque / Acido 2,2'-ditiodibenzóico* $HOOCC_6H_4SSC_6H_4COOH$ $C_{14}H_{10}O_4S_2$ M = 306,36 g/mol assay (alkalimetric) ..... 96% melting range ..... 288–291 °C	PF. 2931	100 g	23,50	20,—	18,80	17,65
3460	**4,4'-Dithiodibutyric acid** PROSYNTH® *Acide 4-4'-dithiodibutyrique / Acido 4,4'-ditiodibutírico* $HOOC(CH_2)_3SS(CH_2)_3COOH$ $C_8H_{14}O_4S_2$ M = 238,33 g/mol assay (alkalimetric) ..... 97% melting range ..... 107–109 °C	WG. 2931	25 g	23,75	20,20	19,—	17,80
	1,2-Dithioglycerol see 2,3-Dimercaptopropanol-(1)						
3156	**Dithiol** R. G. *Dithiol / Ditiol* $C_6H_3(CH_3)(SH)_2$ $C_7H_8S_2$ M = 156,27 g/mol ampoule of 1 ml melting range ..... 30–32 °C insoluble in sodium hydroxide solution (1%) passes test sulphated ash ..... max. 0,1% suitability for determination of tin ..... passes test	2931	1 pack	13,25	11,25	10,60	9,95
62583	**1,3-Dithiolanethione-(2)** PROSYNTH® *1-3-Dithiolanethione-(2) / 1,3-Ditiolantiona-(2)* SCH_2CH_2SCS $C_3H_4S_3$ M = 136,26 g/mol assay (GC) 95%	WG. 2935	50 g	28,75	24,45	23,—	21,55
	Dithiooxamide see Rubeanic acid						
33154	**Dithizone** R. G., Reag. Ph. Eur. I *Dithizone / Ditizona* $C_6H_5NHNHCSNNC_6H_5$ $C_{13}H_{12}N_4S$ M = 256,33 g/mol assay ..... min. 99% sulphated ash ..... max. 0,2% heavy metals (as Pb) ..... max. 0,001% sensibility as heavy metal reagent ..... passes test light absorption ..... passes test	WG. WG. WG. 2931	10 g 25 g 100 g	21,50 43,75 148,50	18,30 37,20 126,25	17,20 35,— 118,80	16,15 32,80 111,40
63461	**Ditridecyl ketone** PROSYNTH® *Ditridécylcétone / Ditridecilcetona* $CH_3(CH_2)_{12}CO(CH_2)_{12}CH_3$ $C_{27}H_{54}O$ M = 394,72 g/mol assay ..... 95% melting range ..... 75–77 °C	WG. 2913	25 g	35,—	29,75	28,—	26,25

FIXANAL® preparations for standard solutions

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35721	**Diuron** min. 99% PESTANAL® [3-(3,4-Dichlorophenyl)-1,1-dimethyl urea] $Cl_2C_6H_3NHCON(CH_3)_2$ $C_9H_{10}Cl_2N_2O$ $M = 233{,}10$ g/mol R: 36/37/38 S: 2-13 disposal: 7	FL. *2925*	1 g	21,50	18,30	17,20	16,
62585 A 3/4 +74 °C	**Divinylbenzene solution** mixture of isomers 70% in ethylvinylbenzene PROSYNTH® stabilized with 4-*tert.*-butylpyrocatechol (1 g/l) *Divinylbenzène en solution / Divinilbenceno en solución* $C_{10}H_{10}$ $M = 130{,}19$ g/mol **1 L ≈ 0,91 kg** assay (GC) ..... 70% keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	FL. *2901*	1 L	42,75	36,35	34,20	32,
35716 A 6.1/83 C 6.1 1615 3	**2,4-D-methyl ester** min. 99% PESTANAL® (2,4-Dichlorophenoxy acetic acid methyl ester) $Cl_2C_6H_3OCH_2COOCH_3$ $C_9H_8Cl_2O_3$ $M = 235{,}07$ g/mol R: 20/21/22 S: 2-13 disposal: 7	FL. *2916*	1 g	17,50	14,90	14,—	13,
	DMSO see Dimethyl sulphoxide						
35713 A 6.1/81C C 6.1 1615 2	**DNOC** min. 99% PESTANAL® (2,4-Dinitro-6-methylphenol) $(NO_2)_2C_6H_2(OH)CH_3$ $C_7H_6N_2O_5$ $M = 198{,}13$ g/mol R: 26/27/28-33 S: 1-13-28-45 disposal: 7	FL. *2907*	1 g	21,50	18,30	17,20	16,
62587	**Docosane** PROSYNTH® *Docosane / Docosano* $CH_3(CH_2)_{20}CH_3$ $C_{22}H_{46}$ $M = 310{,}61$ g/mol assay (GC) ..... 98% melting range ..... 42—44 °C	PF. *2901*	100 g	60,—	51,—	48,—	45,
62588	**1-Docosanol** PROSYNTH® *Docosanol-1 / 1-Docosanol* $CH_3(CH_2)_{21}OH$ $C_{22}H_{46}O$ $M = 326{,}60$ g/mol assay (GC) ..... 97% melting range ..... 69—71 °C	PF. *2904*	50 g	29,50	25,10	23,60	22,
64068	**1-Docosene** PROSYNTH® *Docosène-1 / 1-Docoseno* $CH_3(CH_2)_{19}CH=CH_2$ $C_{22}H_{44}$ $M = 308{,}59$ g/mol assay (GC) ..... 95% melting range ..... 35—37 °C	WG. *2901*	50 g	46,—	39,10	36,80	34
	***cis*-13-Docosenoic acid** see Erucic acid						
	Docosoic acid see Behenic acid						
	Docosyl alcohol see Docosanol-(1)						
	Dodecadeuterocyclohexane see Cyclohexane-D_{12}						
	Dodecadeuterotetramethylurea see Tetramethylurea-D_{12}						
62589	**Dodecamethylenediamine** PROSYNTH® *Dodécaméthylènediamine / Dodecametilendiamina* $NH_2(CH_2)_{12}NH_2$ $C_{12}H_{28}N_2$ $M = 200{,}37$ g/mol assay (ex N) ..... 99% melting range ..... 67—69 °C	PF. *2922*	100 g	37,25	31,65	29,80	27,
	Dodecanal see Lauraldehyde						

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532 3/4 14 °C	★ **Dodecane** PROSYNTH® *Dodécane / Dodecano* $CH_3(CH_2)_{10}CH_3$ $C_{12}H_{26}$ $M = 170{,}34$ g/mol **1 L ≈ 0,75 kg** assay (GC) ..... 99% boiling range ..... 215–217 °C refractive index (n_D^{20}) 1,422	FL. *2901*	100 ml	23,–	19,55	18,40	17,25
2257 3/4 74 °C	***n*-Dodecane** min. 99,9% for gas chromatography *n-Dodécane / n-Dodecano* $CH_3(CH_2)_{10}CH_3$ $C_{12}H_{26}$ $M = 170{,}34$ g/mol **1 L ≈ 0,75 kg**	FL. *2901*	5 ml	49,25	41,85	39,40	36,95
	Dodecanecarboxylic acid see Tridecanoic acid						
4578	**Dodecanedioic acid** PROSYNTH® *Acide dodécanedioïque / Acido dodecanodióico* $HOOC(CH_2)_{10}COOH$ $C_{12}H_{22}O_4$ $M = 230{,}30$ g/mol assay (GC) ..... 98% melting range ..... 127–129 °C	WG. *2915*	100 g	22,50	19,15	18,–	16,90
2592 3/4 82 °C	**1-Dodecanethiol** PROSYNTH® *Dodécanethiol-1 / 1-Dodecanotiol* $CH_3(CH_2)_{11}SH$ $C_{12}H_{26}S$ $M = 202{,}40$ g/mol **1 L ≈ 0,84 kg** assay (GC) ..... 98% boiling range (at 1,6 mbar) ..... 116–119 °C refractive index (n_D^{20}) ..... 1,460 R: 20/21/22 S: 28 disposal: 15	FL. *2931*	1 L	52,–	44,20	41,60	40,05
	Dodecanoic acid see Lauric acid						
62590	**1-Dodecanol** PROSYNTH® *Dodécanol-1 / 1-Dodecanol* $CH_3(CH_2)_{11}OH$ $C_{12}H_{26}O$ $M = 186{,}34$ g/mol **1 L ≈ 0,83 kg** assay (GC) ..... 99% congealing range ..... 23–25 °C	FL. *2904*	250 ml	11,50	9,80	9,20	8,65
64974	**2-Dodecanol** PROSYNTH® *Dodécanol-2 / 2-Dodecanol* $CH_3(CH_2)_9CH(OH)CH_3$ $C_{12}H_{26}O$ $M = 186{,}34$ g/mol **1 L ≈ 0,83 kg** assay (GC) ..... 95% boiling range (at 12 mbar) ..... 121–124 °C refractive index (n_D^{20}) 1,440	FL. *2904*	5 ml	27,–	22,95	21,60	20,25
30830	**2-Dodecanone** min. 99,9% for gas chromatography *Dodécanone-2 / 2-Dodecanona* $CH_3(CH_2)_9COCH_3$ $C_{12}H_{24}O$ $M = 184{,}32$ g/mol **1 L ≈ 0,81 kg**	FL. *2913*	5 ml	49,25	41,85	39,40	36,95
30831	**3-Dodecanone** min. 99,9% for gas chromatography *Dodécanone-3 / 3-Dodecanona* $CH_3(CH_2)_8COCH_2CH_3$ $C_{12}H_{24}O$ $M = 184{,}32$ g/mol **1 L ≈ 0,83 kg**	FL. *2913*	5 ml	49,25	41,85	39,40	36,95
	Dodecanone-(5) see Butyl heptyl ketone						
	Dodecanoyl chloride see Lauroxyl chloride						

HYDRANAL® a new Karl Fischer reagent

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxe
64579 A 3/4 +76 °C	**1-Dodecene** PROSYNTH® *Dodécène-1 / 1-Dodeceno* $CH_3(CH_2)_9CH=CH_2$ $C_{12}H_{24}$ M = 168,32 g/mol **1 L ≈ 0,76 kg** assay (GC) ..... 98 % boiling range ..... 213–215 °C refractive index (n_D^{20}) 1,430	FL. *2901*	100 ml	32,25	27,40	25,80	24,
62593	**Dodecenylsuccinic anhydride** PROSYNTH® *Anhydride dodécénylsuccinique / Anhídrido dodecenilsuccínico* $C_{16}H_{26}O_3$ M = 266,38 g/mol **1 L ≈ 1,01 kg** assay (alkalimetric) ..... 98 % boiling range (at 27 mbar) ..... 198–200 °C refractive index (n_D^{25}) 1,475	FL. *2915*	100 ml	10,–	8,50	8,–	7,
	Dodecyl alcohol see 1-Dodecanol						
62594 A 6.1/21 C 6.1 2811 2	**Dodecylamine** PROSYNTH® Genamin® *Dodécylamine / Dodecilamina* Genamin® = trade mark of Hoechst AG $CH_3(CH_2)_{11}NH_2$ $C_{12}H_{27}N$ M = 185,35 g/mol assay (GC) ..... 98 % melting range ..... 27–29 °C R: 34 S: 26 disposal: 19	FL. *2922*	500 g	48,–	40,80	38,40	36,
	Dodecylbenzene see 1-Phenyldodecane						
	Dodecyl chloride see 1-Chlorododecane						
64600	**Dodecyl gallate** PROSYNTH® *Dodécyle gallate / Dodecilo galato* $(HO)_3C_6H_2COO(CH_2)_{11}CH_3$ $C_{19}H_{30}O_5$ M = 338,44 g/mol assay (HPLC) ..... 97 % melting range ..... 94–97 °C	WG. *2916*	100 g	42,75	36,35	34,20	32,
	Dodecyl hydrogen sulphate sodium salt see Sodium dodecyl sulphate						
	Dodecylmercaptan see Dodecanethiol-(1)						
64070	**Dodecylsuccinic acid** PROSYNTH® *Acide dodécylsuccinique / Acido dodecilsuccínico* $CH_3(CH_2)_{11}CH(COOH)CH_2COOH$ $C_{16}H_{30}O_4$ M = 286,41 g/mol assay (alkalimetric) ..... 95 % melting range ..... 96–98 °C	WG. *2915*	25 g	32,50	27,65	26,–	24,
35722	**Dodin** min. 99 % PESTANAL® (n-Dodecyl-guanidine acetate) $C_{12}H_{25}NHC(=NH)NH_2 \cdot CH_3COOH$ $C_{15}H_{33}N_3O_2$ M = 287,44 g/mol R: 20/21/22 S: 2-13 disposal: 7	FL. *2926*	1 g	21,50	18,30	17,20	16,
	DL-DOPA see 3,4-Dihydroxy-DL-phenylalanine						
63534	**Dotriacontane** PROSYNTH® *Dotriacontane / Dotriacontano* $CH_3(CH_2)_{30}CH_3$ $C_{32}H_{66}$ M = 450,87 g/mol assay (GC) ..... 95 % melting range ..... 66–69 °C	WG. *2901*	10 g	29,–	24,65	23,20	21,

refer explanations

de-Number RID/ADR GGVE/GGVS MDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
938	**Doxylamine succinate** *Doxylamine succinate / Doxilamina succinato* $C_{17}H_{22}N_2O \cdot C_4H_6O_4$ $C_{21}H_{28}N_2O_5$ *M* = 388,46 g/mol assay ..... 99% melting range ..... 103—106 °C loss on drying 0,2%	PF. *2923*	2,5 kg	price on request			
6052 8/2C 3 1760 2	**Dragendorff's reagent** on alcaloides *Réactif de Dragendorff / Reactivo de Dragendorff* **1 L ≈ 1,19 kg** R: 36/38 S: 2-28 disposal: 1	FL. *3819*	250 ml	13,25	11,25	10,60	9,95
9131	**Dulcitol** BIOSYNTH® *Dulcitol / Dulcita* $HOCH_2(CHOH)_4CH_2OH$ $C_6H_{14}O_6$ *M* = 182,17 g/mol melting range ..... 184—188 °C	PF. *2904*	25 g	12,75	10,85	10,20	9,55
	Durene see 1,2,4,5-Tetramethylbenzene						
	Durol see 1,2,4,5-Tetramethylbenzene						
	***iso*-Durylic acid** see 2,4,6-Trimethylbenzoic acid						
36074 3/5 3.2 1230 2	**Dye solution according to Boroviczeny** solution A: Toluidine blue-safranine-fixing solution *Solution colorante de Boroviczeny / Solución colorante de Boroviczeny* **1 L ≈ 0,84 kg** R: 11-23/25 S: 2-7-16-24 disposal: 18	FL. *3819*	250 ml	13,25	11,25	10,60	9,95
36076	**Dye solution according to Boroviczeny** solution B: Eosin solution *Solution colorante de Boroviczeny / Solución colorante de Borovinczeny* **1 L ≈ 1,00 kg**	FL. *3819*	250 ml	13,25	11,25	10,60	9,95
37359 A 3/5 C 3.1 1090 2 19 °C	**TLC-Dye-stuff mixture** for thin-layer chromatography *Mélange de colorants CCM / CCF-Mezcla de colorantes* package of 20 ml Sudan red 7B Dimethyl-amino-azo-benzene Sudan blue II Methyl red Bromo-cresol green Patent blue V R: 11 S: 9-16-33 disposal: 6	*3819*	1 pack	9,50	8,10	7,60	7,15
10553	**Dysprosium** powder *Dysprosium / Disprósio* Dy *M* = 162,50 g/mol assay 99%	WG. *2805*	1 g	27,75	23,60	22,20	20,80
10564	**Dysprosium chloride** cryst. *Dysprosium chlorure / Disprósio cloruro* $DyCl_3 \cdot xH_2O$ *M* = (anhydrous) 268,86 g/mol assay ($DyCl_3$) (on anhydrous substance) 99%	FL. *2852*	1 g	32,50	27,65	26,—	24,40
10554 C 6.1 2811 3	**Dysprosium fluoride** *Dysprosium fluorure / Disprósio fluoruro* DyF_3 *M* = 219,50 g/mol	FL. *2852*	5 g	69,—	58,65	55,20	51,75

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10555	**Dysprosium oxide** *Dysprosium oxyde / Disprósio óxido* Dy_2O_3 $M = 373{,}00$ g/mol assay ..... 99 %	WG. *2852*	10 g	44,75	38,05	35,80	33
36321 A 6.1/210 C 6.1 2810 2	**EBBA** [N-(p-Ethoxybenzylidene)-p-butylaniline $C_2H_5OC_6H_4CH=NC_6H_4(CH_2)_3CH_3$ $C_{19}H_{23}NO$ $M = 281{,}40$ g/mol melting point ..... 35 °C clarification point ..... 79 °C	WG. WG. *2926*	25 g 100 g	price on request price on request			
15501	**ECOL®** (4-Methylaminophenolsulphate, 100 %) *ECOL® / ECOL®* $(HOC_6H_4NH_2CH_3)_2SO_4$ $C_{14}H_{20}N_2O_6S$ $M = 344{,}39$ g/mol R: 24/25-34 S: 2-28-44 disposal: 6	PF. PF. PF. PF. FTP. *2923*	100 g 500 g 1 kg 5 kg 25 kg	16,25 56,50 103,50 488,— price on request	13,80 48,05 88,— 405,05	13,— 45,20 82,80 380,65	12 43 79 366
	ECTEOLA Cellulose see Cellulose ECTEOLA						
39682	**Edenol 1800** for gas chromatography *Edénol 1800 / Edenol 1800* working temperature ..... 20 to 250 °C	WG. *2915*	50 ml	31,50	26,80	25,20	23
	EDTA see IDRANAL®						
36015	**Ehrlich's diazo reagent** for execution of the diazo reaction according to DAB 6 Solution A: Sodium nitrite solution *Réactif d'Ehrlich pour la diazo-réaction / Reactivo según Ehrlich para la diazo-reacción* 1 L ≈ 1,00 kg	PF. *3819*	250 ml	10,75	9,15	8,60	8
36013	**Ehrlich's diazo reagent** for execution of the diazo reaction according to DAB 6 Solution B: Sulphanilic acid solution *Réactif d'Ehrlich pour la diazo-réaction / Reactivo según Ehrlich para la diazo-reacción* 1 L ≈ 1,01 kg	PF. *3819*	250 ml	10,75	9,15	8,60	8
	Ehrlich's reagent see also Thionine according to Ehrlich						
	Ehrlich's reagent see also Eosin Hematoxylin solution and Methylene blue concentrated						
36016 A 8/5 C 8 1789 2	**Ehrlich's solution** DAB 6, reagent for urobilinogen *Solution d'Ehrlich / Solución de Ehrlich* 1 L ≈ 1,11 kg R: 36/38 S: 2-28 disposal: 1	PF. *3819*	250 ml	10,75	9,15	8,60	8
63535	**Eicosane** PROSYNTH® *Eicosane / Eicosano* $CH_3(CH_2)_{18}CH_3$ $C_{20}H_{42}$ $M = 282{,}55$ g/mol 1 L ≈ 0,78 kg assay (GC) ..... 98 % melting range ..... 35—37 °C	FL. *2901*	50 g	34,25	29,10	27,40	25
62595	**Eicosanol-(1)** PROSYNTH® *Eicosanol-(1) / Eicosanol-(1)* $CH_3(CH_2)_{19}OH$ $C_{20}H_{42}O$ $M = 298{,}55$ g/mol assay (GC) ..... 97 % melting range ..... 62—65 °C	WG. *2904*	25 g	13,75	11,70	11,—	10

e-Number / D/ADR / VE/GGVS / DG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
53	**Elaidic acid** BIOSYNTH® *Acide élaïdique / Acido elaídico* $CH_3(CH_2)_7CH=CH(CH_2)_7COOH$ $C_{18}H_{34}O_2$ M = 282,47 g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	WG. 2914	5 g	29,50	25,10	23,60	22,15
218	**Elastin-Congo red** BIOSYNTH® *Elastine-Rouge Congo / Elastina-Rojo Congo* keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	FL. 2931	1 g	282,—	239,70	225,60	211,50
464	**Ellagic acid** PROSYNTH® *Acide ellagique / Acido elágico* $C_{14}H_6O_8$ M = 302,20 g/mol	WG. 2935	5 g	37,50	31,90	30,—	28,15
	Ellmann's reagent see 5,5'-Dithiobis-(2-nitrobenzoic acid)						
	Elon see ECOL®						
	Emerald green see Brilliant green						
2925 8/3 8.3 1993 2 °C	**Enanthaldehyde** PROSYNTH® *Aldéhyde oenanthique / Aldehído enántico* $CH_3(CH_2)_5CHO$ $C_7H_{14}O$ M = 114,19 g/mol **1 L ≈ 0,82 kg** assay (GC) ..... 97% boiling range ..... 150—152 °C refractive index (n_D^{20}) ..... 1,413 R: 10-20/22 S: 2-24/25 disposal: 14	FL. 2911	250 ml	15,50	13,20	12,40	11,65
2926	**Enanthic acid** PROSYNTH® *Acide oenanthique / Acido enántico* $CH_3(CH_2)_5COOH$ $C_7H_{14}O_2$ M = 130,19 g/mol **1 L ≈ 0,92 kg** assay (GC) ..... 97% boiling range ..... 221—223 °C refractive index (n_D^{20}) 1,422	FL. 2914	500 ml	21,75	18,50	17,40	16,75
	Enanthone see Dihexyl ketone						
3514 6.1/21 6.1 1935 1	**Enanthonitrile** PROSYNTH® *Oenanthonitrile / Enantonitrilo* $CH_3(CH_2)_5CN$ $C_7H_{13}N$ M = 111,19 g/mol **1 L ≈ 0,81 kg** assay (GC) ..... 97% boiling range ..... 179—181 °C refractive index (n_D^{20}) 1,414	FL. 2927	100 ml	50,—	42,50	40,—	37,50
4760 8/22 8 1760 2	**Enanthoyl chloride** PROSYNTH® *Oenanthoyle chlorure / Acido enántico cloruro* $CH_3(CH_2)_5COCl$ $C_7H_{13}ClO$ M = 148,63 g/mol **1 L ≈ 0,96 kg** assay (ex Cl) ..... 99% boiling range ..... 171—173 °C refractive index (n_D^{20}) 1,431	FL. 2914	100 ml	22,—	18,70	17,60	16,50
35793 A 6.1/81B C 6.1 1615 2	**Endosulphan** ($\alpha+\beta=2+1$) min. 99% PESTANAL® (6,7,8,9,10,10-Hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepin 3-oxide) $C_9H_6Cl_6O_3S$ M = 406,93 g/mol R: 23/24/25-36/38 S: 2-13-44 disposal: 7	FL. 2921	1 g	42,75	36,35	34,20	32,05

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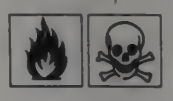
35794 A 6.1/82B C 6.1 1615 3	**Endosulphan alcohol** min. 99% PESTANAL® (1,2,- 3,4,7,7-Hexachloro-5,6-bis-hydroxymethyl-bicyclo-[2,2,1]-hept-2-ene) $C_9H_8Cl_6O_2$ *M* = 360,88 g/mol	FL. *2905*	1 g	56,50	48,05	45,20	42,4
35726 A 6.1/81B C 6.1 1615 2	α-**Endosulphane** min. 99% PESTANAL® (α-6,7,8,9,10,10-Hexachloro-5,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepin 3-oxide) $C_9H_6Cl_6O_3S$ *M* = 406,93 g/mol R: 23/24/25-36/38 S: 2-13-44 disposal: 7	FL. *2921*	1 g	35,75	30,40	28,60	26,8
35727 A 6.1/81B C 6.1 1615 2	β-**Endosulphane** min. 99% PESTANAL® (β-6,7,8,9,10,10-Hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepin 3-oxide) $C_9H_6Cl_6O_3S$ *M* = 406,93 g/mol R: 23/24/25-36/38 S: 2-13-44 disposal: 7	FL. *2921*	1 g	56,50	48,05	45,20	42,4
35795 A 6.1/82B C 6.1 1615 3	**Endosulphan ether** min. 99% PESTANAL® (4,5,-6,7,8,8-Hexachloro-1,3,3a,4,7,7a-hexahydro-4,7-methano-isobenzofuran) $C_9H_6Cl_6O$ *M* = 342,86 g/mol	FL. *2908*	1 g	56,50	48,05	45,20	42,4
35796 A 6.1/81B C 6.1 1615 3	**Endosulphan lactone** min. 99% PESTANAL® (Lactone of 5-hydroxym ethyl-1,2,3,4,7,7-hexachloro-bicyclo-[2,2,1]-hept-2-ene-6-carboxylic acid) $C_9H_4Cl_6O_2$ *M* = 356,85 g/mol	FL. *2935*	1 g	56,50	48,05	45,20	42,4
35777 A 6.1/81B C 6.1 1615 3	**Endosulphan sulphate** min. 99% PESTANAL® (6,7,8,9,10,10-Hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3--benzodioxathiepin-3,3-oxide) $C_9H_6Cl_6O_4S$ *M* = 422,93 g/mol	FL. *2921*	1 g	56,50	48,05	45,20	42,4
35728 A 6.1/81B C 6.1 1615 2	**Endrin** min. 99% PESTANAL® (1,2,3,4,10,10-Hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-1,4-endo-5,8-endo-dimethanonaphthalene) $C_{12}H_8Cl_6O$ *M* = 380,91 g/mol R: 26/27/28 S: 1-13-28-45 disposal: 7	FL. *2902*	1 g	21,50	18,30	17,20	16,1
32717	**Eosin** bluish (C. I. No. 45400, S. No. 885) pure water-soluble for microscopy *Eosine / Eosina* $C_{20}H_6Br_2N_2Na_2O_9$ *M* = 624,06 g/mol	WG. WG. *3205*	25 g 100 g	20,— 58,50	17,— 49,75	16,— 46,80	15,- 43,9
32617	**Eosin** yellowish (C. I. No. 45380, S. No. 881) pure water-soluble for microscopy *Eosine / Eosina* $C_{20}H_6Br_4Na_2O_5$ *M* = 691,86 g/mol	WG. WG. *3205*	25 g 100 g	11,50 20,—	9,80 17,—	9,20 16,—	8,6 15,-
32893	**Eosin-hematoxylin solution** according to Ehrlich (with alum) for microscopy *Eosine-hématoxyline en solution / Eosina-hematoxilina en solución* 1 L ≈ 1,01 kg	PF. *3819*	250 ml	13,25	11,25	10,60	9,9
32855	**Eosin methylene-blue** for microscopy according to May-Grünwald (C. I. No. 45380/52015, S. No. 881/1038) *Eosine-bleu de métilène / Eosina-azul de metileno*	WG. WG. *3205*	25 g 100 g	19,50 62,—	16,60 52,70	15,60 49,60	14,6 46,5

refer explanations

de-Number ID/ADR GVE/GGVS MDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
356 /5 2 1230 2 °C	**Eosin methylene-blue solution** according to May-Grünwald *Eosine-blue de métilène en solution / Eosina-azul de metileno en solución* **1 L ≈ 0,80 kg** R: 11-23/25 S: 2-7-16-24 disposal: 18	FL. FL. FL. *3205*	250 ml 1 L 2,5 L	8,75 19,— 38,75	7,45 16,15 32,15	7,— 15,20 30,25	6,55 14,65 29,05
957 /5 .2 1230 2 °C	**Eosin methylene-blue solution** according to Wright *Eosine-blue de métilène en solution / Eosina-azul de metileno en solución* **1 L ≈ 0,80 kg** R: 11-23/25 S: 2-7-16-24 disposal: 18	FL. FL. FL. *3205*	250 ml 1 L 2,5 L	10,25 18,— 38,25	8,70 15,30 31,75	8,20 14,40 29,85	7,70 13,85 28,70
851 /5 .3 1142 2 2°C	**Eosin methylene-blue solution** DAB 6 according to Jenner, for microscopy Solution A: Eosin solution *Eosine-bleudeméthylène en solution / Eosina-azul de metileno en solución* **1 L ≈ 0,79 kg** R: 11-23/25 S: 2-7-16-24 disposal: 18	FL. *3819*	250 ml	13,25	11,25	10,60	9,95
2933 3/5 3.2 1230 2	**Eosin methylene-blue solution** DAB 6 according to Jenner, for microscopy Solution B: Methylene blue solution *Eosine-bleu de méthylène en solution / Eosina-azul de metileno en solución* **1 L ≈ 0,79 kg**  R: 11-23/25 S: 2-7-16-24 disposal: 18	FL. *3819*	250 ml	13,50	11,50	10,80	10,15
	Eosin scarlet see Eosin bluish						
2845	**Eosin solution** (1% in water) for microscopy *Eosine en solution / Eosina en solución* **1 L ≈ 1,00 kg**	PF. *3819*	250 ml	13,—	11,05	10,40	9,75
	Eosin tetrabromo fluorescin see Eosin yellowish						
0854	**L-Ephedrine** *L-Ephédrine / L-Efedrina* $C_6H_5CH(OH)CH(CH_3)NHCH_3$ $C_{10}H_{15}NO$ $M = 165,23$ g/mol R: 22 S: 22-25 disposal: 6	WG. *2942*	100 g	32,—	27,20	25,60	24,—
0816	**L-Ephedrine hydrochloride** *L-Ephédrine chlorhydrate / L-Efedrina clorhidrato* $C_6H_5CH(OH)CH(CH_3)NHCH_3 \cdot HCl$ $C_{10}H_{16}ClNO$ $M = 201,70$ g/mol R: 22 S: 22-25 disposal: 7	WG. *2942*	100 g	24,75	21,05	19,80	18,55
4582 6.1/12A 6.1 2558 1	**Epibromhydrin** PROSYNTH® *Epibromhydrine / Epibromhidrina* $CH_2BrCHCH_2O$ C_3H_5BrO $M = 136,98$ g/mol **1 L ≈ 1,67 kg** assay (GC) ..... 97% boiling range ..... 135—138 °C refractive index (n_D^{20}) ..... 1,484 R: 10-23/24/25 S: 7/9-25-44 disposal: 10	FL. *2909*	100 ml	26,75	22,75	21,40	20,05

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30861 A 6.1/12A C 6.1 2023 2	**Epichlorhydrin** min. 99,9% for gas chromatography *Epichlorhydrine / Epiclorhidrina* CH_2OCHCH_2Cl C_3H_5ClO $M = 92{,}52$ g/mol **1 L ≈ 1,18 kg** R: 10-23/24/25 S: 7/9-25-44 disposal: 10	FL. *2909*	5 ml	49,25	41,85	39,40	36
60162 A 6.1/12A C 6.1 2023 2	**Epichlorhydrin** PROSYNTH® *Epichlorhydrine / Epiclorhidrina* CH_2OCHCH_2Cl C_3H_5ClO $M = 92{,}52$ g/mol **1 L ≈ 1,18 kg** assay ..... 99% boiling range ..... 115—117 °C refractive index (n_D^{20}) ..... 1,438 R: 10-23/24/25 S: 7/9-25-44 disposal: 10	FL. FL. *2909*	500 ml 2,5 L	14,25 50,—	12,10 41,50	11,40 39,—	10 37
62598 A 3/5 C 3.2 1993 2 -15 °C	**1,2-Epoxybutane** PROSYNTH® *1-2-Epoxybutane / 1,2-Epoxibutano* $CH_3CH_2CHCH_2O$ C_4H_8O $M = 72{,}11$ g/mol **1 L ≈ 0,83 kg** assay (GC) ..... 98% boiling range ..... 61—63 °C refractive index (n_D^{20}) ..... 1,384 R: 11 S: 7-16 disposal: 6	FL. *2909*	1 L	56,—	47,60	44,80	43
	1,2-Epoxy-3-chloropropane see Epichlorhydrin						
	9,10-Epoxy-1,5-cyclododecadiene see 1,5,9-Cyclododecatriene monoxide						
64583 A 3/3 C 3.3 2622 2 +31 °C	**2,3-Epoxy-1-propanol** PROSYNTH® *Epoxy-2-3-propanol-(1) / 2,3-Epoxi-1-propanol* OCH_2CHCH_2OH $C_3H_6O_2$ $M = 74{,}08$ g/mol **1 L ≈ 1,12 kg** assay (GC) ..... 97% boiling range ..... 162—165 °C refractive index (n_D^{20}) 1,433	FL. *2909*	100 ml	20,75	17,65	16,60	15
32769	**Epsilon blue** [2-(4'-Nitrophenylazo)-3,8-naphthalene-1-disulphonic acid disodium salt] indicator *Bleu epsilon / Azul épsilon* $C_{16}H_9N_3Na_2O_9S_2$ $M = 497.37$ g/mol	WG. *3205*	5 g	11,—	9,35	8,80	8
10556	**Erbium** powder *Erbium / Erbio* Er $M = 167{,}26$ g/mol assay 99%	WG. *2805*	1 g	32,50	27,65	26,—	24
10557 C 6.1 2811 3	**Erbium fluoride** *Erbium fluorure / Erbio fluoruro* ErF_3 $M = 224{,}26$ g/mol assay 99%	FL. *2852*	1 g	29,50	25,10	23,60	22
10558 C 5.1 1477 2	**Erbium nitrate-5-hydrate** *Erbium nitrate-5-hydrate / Erbio nitrato-5-hidrato* $Er(NO_3)_3 \cdot 5H_2O$ $M = 443{,}35$ g/mol	FL. *2852*	5 g	22,75	19,35	18,20	17
10559	**Erbium oxide** *Erbium oxyde / Erbio óxido* Er_2O_3 $M = 382{,}52$ g/mol assay 99%	WG. *2852*	10 g	53,50	45,50	42,80	40
	Eriochrome azurol S see Chrome azurol S						

Item-Number / D/ADR / GVE/GGVS / MDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
751	**Eriochrome black T** indicator for metal titration, Reag. Ph. Eur I (C. I. No. 14645, S. No. 241) *Noir d'ériochrome T / Negro de eriocromo T* $HOC_{10}H_6N=NC_{10}H_4(OH)(SO_3Na)(NO_2)$ $C_{20}H_{12}N_3NaO_7S$ $M=461{,}39$ g/mol	WG. WG. 3205	25 g 100 g	9,50 13,75	8,10 11,70	7,60 11,—	7,15 10,30
767	**Eriochrome blue-black B** indicator for metal titration (C. I. No. 14640, S. No. 249) *Bleu-noir d'ériochrome B / Negro-azul de eriocromo B* $C_{20}H_{13}N_2NaO_5S$ $M=416{,}39$ g/mol	WG. 3205	100 g	36,75	31,25	29,40	27,55
752	**Eriochrome cyanine** R. G. (C. I. No. 43820, S. No. 840) *Eriochrome cyanine / Eriocromocianina* $C_{23}H_{15}Na_3O_9S$ $M=536{,}40$ g/mol insoluble in water ..... passes test suitability for determination of aluminium ..... passes test	WG. WG. 3205	25 g 100 g	14,25 39,25	12,10 33,35	11,40 31,40	10,70 29,45
356	**Erucic acid** BIOSYNTH® *Acide érucique / Acido erúcico* $CH_3(CH_2)_7CH=CH(CH_2)_{11}COOH$ $C_{22}H_{42}O_2$ $M=338{,}57$ g/mol	WG. 2914	10 g	53,—	45,05	42,40	39,75
2465	**Erucic acid** PROSYNTH® *Acide érucique / Acido erúcico* $CH_3(CH_2)_7CH=CH(CH_2)_{11}COOH$ $C_{22}H_{42}O_2$ $M=338{,}57$ g/mol 1 L ≈ 0,86 kg assay (GC) ..... 90% melting range ..... 28—32 °C	FL. 2914	1 kg	50,—	42,50	40,—	38,50
9135	*meso*-**Erythritol** BIOSYNTH® *méso-Erythritol / meso-Eritrita* $HOCH_2CH(OH)CH(OH)CH_2OH$ $C_4H_{10}O_4$ $M=122{,}12$ g/mol melting range ..... 118—120 °C	WG. 2904	25 g	24,25	20,60	19,40	18,20
9213	D-**Erythrose** BIOSYNTH® *D-Erythrose / D-Eritrosa* $HOCH_2CHOHCHOHCHO$ $C_4H_8O_4$ $M=120{,}10$ g/mol assay ..... 90% (containing glucose)	FL. 2943	1 g	102,50	87,15	82,—	76,90
3203	**Erythrosin** for microscopy (C. I. No. 45430, S. No. 887) *Erythrosine / Eritrosina* $C_{20}H_6J_4Na_2O_5$ $M=879{,}86$ g/mol	WG. 3205	25 g	19,25	16,35	15,40	14,45
6017	**Esbach's solution** reagent for proteins *Solution d'Esbach / Solución de Esbach* 1 L ≈ 1,01 kg	FL. 3819	250 ml	10,50	8,95	8,40	7,90
1610	**Eschka's mixture** R. G. *Mélange d' Eschkas/ Mezcla de Eschka*	PF. PF. 3819	250 g 1 kg	33,— 110,50	28,05 93,95	26,40 88,40	24,75 85,10
9206	**Escin** BIOSYNTH® *Escine / Escina* $C_{54}H_{84}O_{23}$ $M=1101{,}24$ g/mol	FL. 2941	1 g	64,—	54,40	51,20	48,—
9498	**Esculetine** BIOSYNTH® *Esculétine / Esculetina* $(HO)_2C_6H_2OCOCH=CH$ $C_9H_6O_4$ $M=178{,}14$ g/mol	FL. 2935	1 g	46,50	39,55	37,20	34,90
9168	**Esculin** BIOSYNTH® *Esculine / Esculina* $C_{15}H_{16}O_9 \cdot 1{,}5H_2O$ $M=367{,}31$ g/mol specific rotation ($[\alpha]_D^{20}$; c=1 in C_5H_5N) .... −39° ± 1,5°	WG. 2941	5 g	14,50	12,35	11,60	10,90

PANPEHA® universal indicator paper in strips

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96 (16 Bo
	Etching ink for glass see Ink for glass etching						
01703 A 8/15A C 8 1759 2	**Etching powder** (for etching glass) *Poudre à dépolir le verre / Polvo para esmerilar* R: 25-34 S: 22-26-37 disposal: 27	PF. S. *3819*	5 kg 50 kg	68,50 price on request	56,85	53,45	51
	Ethanediol see Ethylene glycol						
62034 A 3/3 C 3.3 1993 2 45 °C	**Ethanedithiol-(1,2)** PROSYNTH® *Ethanedithiol-(1,2) / Etanoditiol-(1,2)* $HSCH_2CH_2SH$ $C_2H_6S_2$ $M = 94{,}20$ g/mol **1 L ≈ 1,13 kg** assay (GC) ..... 98 % boiling range ..... 144 – 146 °C refractive index (n_D^{20}) ..... 1,558 R: 10 disposal: 15	FL. *2931*	100 ml	31,75	27,—	25,40	23,
63481 A 3/1A C 3.1 2363 1 -45 °C	**Ethanethiol** PROSYNTH® *Ethanethiol / Etanotiol* C_2H_5SH C_2H_6S $M = 62{,}13$ g/mol **1 L ≈ 0,84 kg** assay (GC) ..... 95 % boiling range ..... 34 – 36 °C refractive index (n_D^{20}) ..... 1,431 R: 11-20 S: 16-25 disposal: 15	FL. *2931*	100 ml	9,75	8,30	7,80	7
32221 A 3/5 C 3.2 1170 2 +11 °C	**Ethanol absolute** R. G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I *Ethanol absolu / Etanol absoluto* CH_3CH_2OH C_2H_6O $M = 46{,}07$ g/mol **1 L ≈ 0,79 kg** assay (GC) ..... min. 99,8 Vol. % boiling range ..... 78 – 79 °C density (D_{20}^{20}) ..... 0,790 – 0,791 refractive index (n_D^{20}) ..... 1,3614 – 1,3618 non-volatile matter ..... max. 0,001 % water (according to Karl Fischer) ..... max. 0,2 % free acid (as CH_3COOH) ..... max. 0,0005 % free alkali (as NH_3) ..... max. 0,0001 % aluminium (Al) ..... max. 0,00005 % barium (Ba) ..... max. 0,00001 % lead (Pb) ..... max. 0,00001 % boron (B) ..... max. 0,000002 % cadmium (Cd) ..... max. 0,000005 % calcium (Ca) ..... max. 0,000005 % chromium (Cr) ..... max. 0,000002 % iron (Fe) ..... max. 0,00001 % cobalt (Co) ..... max. 0,000002 % copper (Cu) ..... max. 0,000002 % magnesium (Mg) ..... max. 0,00001 % manganese (Mn) ..... max. 0,000002 % nickel (Ni) ..... max. 0,000002 % zinc (Zn) ..... max. 0,00001 % tin (Sn) ..... max. 0,00001 % $KMnO_4$ red. matters (as O) ..... max. 0,003 % reaction to sulphuric acid ..... passes test acetone ..... max. 0,001 % aldehydes (as CH_3CHO) ..... max. 0,001 % iso-amylalcohol ..... max. 0,05 % carbonyl compounds (as CO) ..... max. 0,003 % volatile bases (as NH_3) ..... max. 0,00004 % furfural ..... passes test fusel oils ..... passes test methanol ..... max. 0,1 % propanol-(2) ..... max. 0,05 % R: 11 S: 7-16 disposal: 5	FL. FL. FL. *2208*	500 ml 1 L 2,5 L	10,25 14,— 29,25	8,70 11,90 24,30	8,20 10,90 22,80	7 10 21

le-Number ID/ADR GVE/GGVS MDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
935 /5 2 1170 2 1 °C	**Ethanol absolute** SPECTRANAL® *Ethanol absolu / Etanol absoluto* CH_3CH_2OH C_2H_6O *M* = 46,07 g/mol **1 L ≈ 0,79 kg** assay (GC) ..... min. 99,8 Vol.% non-volatile matter ..... max. 0,001% water (according to Karl Fischer) ..... max. 0,2% free acid (as CH_3COOH) ..... max. 0,001% suitability for UV-spectroscopy transmittance (1 cm cell; reference: water) transmittance/wave-length (nm): min. 20%/210, min. 40%/220, min. 60%/230, min. 80%/240, min. 98%/from 260 suitability for infared spectroscopy ..... passes test R: 11 S: 7-16 disposal: 5	FL. FL. *2208*	1 L 2,5 L	38,— 81,50	32,30 67,65	30,40 63,55	29,25 61,15
870 3/5 3.2 1170 2 1 °C	**Ethanol absolute** CHROMASOL® for chromatography (UV-detection) *Ethanol absolu / Etanol absoluto* CH_3CH_2OH C_2H_6O *M* = 46,07 g/mol **1 L ≈ 0,79 kg** assay (GC) ..... min. 99,8 Vol.% non-volatile matter ..... max. 0,001% water (according to Karl Fischer) ..... max. 0,2% free acid (as CH_3COOH) ..... max. 0,001% transmittance (1 cm cell; reference: water) transmittance/wave-length (nm): min. 20%/210, min. 50%/225, min. 80%/240, min. 98%/from 260 R: 11 S: 7-16 disposal: 5	FL. *2208*	1 L	17,50	14,90	14,—	13,50
7944 3/5 3.2 1170 2 11 °C	**Ethanol absolute MOS** PURANAL® particle class 0 *Ethanol absolu / Etanol absoluto* CH_3CH_2OH C_2H_6O *M* = 46,07 g/mol **1 L ≈ 0,79 kg** assay (GC) ..... min. 99,8 vol.% boiling range ..... 78—79 °C density (D_4^{20}) ..... 0,790—0,791 refractive index (n_D^{20}) ..... 1,3614—1,3618 non-volatile matter ..... max. 5 ppm water (according to Karl Fischer) ..... max. 2000 ppm free acid (as CH_3COOH) ..... max. 5 ppm free alkali (as NH_3) ..... max. 1 ppm lead (Pb) ..... max. 0,02 ppm calcium (Ca) ..... max. 0,5 ppm iron (Fe) ..... max. 0,05 ppm copper (Cu) ..... max. 0,01 ppm magnesium (Mg) ..... max. 0,01 ppm manganese (Mn) ..... max. 0,01 ppm nickel (Ni) ..... max. 0,01 ppm zinc (Zn) ..... max. 0,01 ppm chloride (Cl) ..... max. 0,2 ppm sulphate (SO_4) ..... max. 0,2 ppm R: 11 S: 7-16 disposal: 5	FL. *2208*	2,5 L	price on request			

PEHANAL® universal indicator paper in rolls

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96 (16 Bo
17833 A 3/5 C 3.2 1170 2 +11 °C	**Ethanol absolute** PURANAL® *Ethanol absolu / Etanol absoluto* CH_3CH_2OH C_2H_6O $M = 46{,}07$ g/mol **1 L ≈ 0,79 kg** assay (GC) ..... min. 99,8 vol.% boiling range ..... 78–79 °C density (D_{20}^{20}) ..... 0,790–0,791 refractive index (n_D^{20}) ..... 1,3614–1,3618 non-volatile matter ..... max. 5 ppm water (according to Karl Fischer) ..... max. 2000 ppm free acid (as CH_3COOH) ..... max. 5 ppm free alkali (as NH_3) ..... max. 1 ppm lead (Pb) ..... max. 0,02 ppm calcium (Ca) ..... max. 0,5 ppm iron (Fe) ..... max. 0,05 ppm copper (Cu) ..... max. 0,01 ppm magnesium (Mg) ..... max. 0,01 ppm manganese (Mn) ..... max. 0,01 ppm nickel (Ni) ..... max. 0,01 ppm zinc (Zn) ..... max. 0,01 ppm chloride (Cl) ..... max. 0,2 ppm sulphate (SO_4) ..... max. 0,2 ppm R: 11 S: 7-16 disposal: 5	FL. *2208*	2,5 L	price on request			
24103 A 3/5 C 3.2 1170 2 +12 °C	○ **Ethanol absolute** chem. pure *Ethanol absolu / Etanol absoluto* CH_3CH_2OH C_2H_6O $M = 46{,}07$ g/mol **1 L ≈ 0,79 kg** assay (GC) ..... 99,8 Vol.% density (D_{20}^{20}) ..... 0,790–0,791 non-volatile matter ..... 0,01% water (according to Karl Fischer) ..... 0,2% free acid (as CH_3COOH) ..... 0,001% aldehydes (as CH_3CHO) ..... 0,005% volatile bases (as NH_3) ..... 0,0005% methanol ..... 0,1% R: 11 S: 7-16 disposal: 5	FL. FL. *2208*	1 L 2,5 L	13,75 28,—	11,70 23,25	10,75 21,85	10 21
30844 A 3/5 C 3.2 1170 2 +11 °C	**Ethanol** min. 99,9% for gas chromatography *Ethanol / Etanol* CH_3CH_2OH C_2H_6O $M = 46{,}07$ g/mol **1 L ≈ 0,79 kg** R: 11 S: 7-16 disposal: 5	FL. *2208*	5 ml	49,25	41,85	39,40	3
34934 A 3/5 C 3.2 1170 2 +16 °C	**Ethanol** 96 vol.% SPECTRANAL® *Ethanol / Etanol* CH_3CH_2OH C_2H_6O $M = 46{,}07$ g/mol **1 L ≈ 0,81 kg** assay (GC) ..... min. 95% non-volatile matter ..... max. 0,001% water (according to Karl Fischer) ..... max. 5% free acid (as CH_3COOH) ..... max. 0,001% suitability for UV-spectroscopy transmittance (1 cm cell; reference: water) transmittance/wave-length (nm): min. 35%/210, min. 550%/220, min. 75%/230, min. 90%/250, min. 98%/from 270 suitability for infrared spectroscopy ..... passes test R: 11 S: 7-16 disposal: 5	FL. FL. *2208*	500 ml 2,5 L	22,— 80,—	18,70 66,40	17,60 62,40	16 60

refer explanations

de-Number / ID/ADR / GVE/GGVS / MDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
106 /5 .2 1170 2 2°C	**Ethanol** 96 vol.%, chem. pure Reag. ACS, Ph. Eur. I *Ethanol / Etanol* CH_3CH_2OH C_2H_6O $M = 46{,}07$ g/mol **1 L ≈ 0,81 kg** assay ..... 96,5 vol.% density (D_{20}^{20}) ..... 0,804—0,809 non-volatile matter ..... 0,001% free acid (as CH_3COOH) ..... 0,0005% free alkali (as NH_3) ..... 0,0001% iron (Fe) ..... 0,0001% heavy metals (as Pb) ..... 0,0001% $KMnO_4$ red. substances ..... passes test acetone ..... passes test volatile bases (as NH_3) ..... 0,00005% furfural ..... passes test fusel oils ..... passes test methanol ..... 0,2% higher alcohols ..... passes test R: 11 S: 7-16 disposal: 5	FL. FL. *2208*	1 L 2,5 L	12,— 24,—	10,20 19,90	9,60 18,70	9,25 18,—
9020 3/5 3.2 1170 2 11°C	**Ethanol-d_1** absolute deuteration degree not less than 99 atom % D *Ethanol-d_1 absolu / Etanol-d_1 absoluto* CH_3CH_2OD C_2H_5DO $M = 47{,}06$ g/mol **1 L ≈ 0,81 kg** R: 11 S: 7-16 disposal: 5	A. *2851*	10 ml	17,50	14,90	14,—	13,15
9001 3/5 3.2 1170 2 11°C	**Ethanol-d_6** (95% in D_2O) deuteration degree not less than 99 atom% D *Ethanol-d_6 / Etanol-d_6* CD_3CD_2OD C_2D_6O $M = 52{,}02$ g/mol **1 L ≈ 0,91 kg** R: 11 S: 7-16 disposal: 5	A. *2851*	5 ml	149,50	127,10	119,60	112,15
Ethanolal see Glycolaldehyde							
Ethanolamine, di- see Diethanolamine							
Ethanolamine, mono see 2-Aminoethanol							
Ethanolamine, tri- see Triethanolamine							
Ethanol-(2)-thiol-(1) see 2-Mercaptoethanol							
Ether see Diethyl ether							
Ethereal oils	Offer on request.						
5893 6.1/81A 6.1 ./. 2	**Ethion** min. 99% PESTANAL® (S,S'-Methylene-bis-[O,O-diethylphosphorodithioate]) $[(CH_3CH_20)_2P(S)S]_2CH_2$ $C_9H_{22}O_4P_2S_4$ $M = 384{,}48$ g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 23/24/25 S: 2-13-44 disposal: 7	FL. *2921*	2 g	56,50	48,05	45,20	42,40

PESTANAL® high purity pesticides, metabolites and solvents

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96 (16 Bo
39277	**DL-Ethionine** BIOSYNTH® *DL-Ethionine / DL-Etionina* $CH_3CH_2SCH_2CH_2CH(NH_2)COOH$ $C_6H_{13}NO_2S$ $M = 163{,}24$ g/mol	WG. *2931*	5 g	20,25	17,20	16,20	15
39626	**Ethofat 60/25** for gas chromatography working temperature ..... 50 to 125 °C	WG. *2914*	50 g	47,50	40,40	38,—	35
64221	**Ethoxyacetic acid** PROSYNTH® *Acide éthoxyacétique / Acido etoxiacético* $CH_3CH_2OCH_2COOH$ $C_4H_8O_3$ $M = 104{,}11$ g/mol **1 L ≈ 1,10 kg** assay (alkalimetric) ..... 99% boiling range (at 15 mbar) ..... 97—100 °C refractive index (n_D^{20}) 1,419	FL. *2916*	100 ml	169,—	143,65	135,20	126
	2-Ethoxyaniline see o-Phenetidine						
64235 A 3/4 +75 °C	**4-Ethoxybenzaldehyde** PROSYNTH® *Ethoxy-4-benzaldéhyde / 4-Etoxibenzaldehido* $C_2H_5OC_6H_4CHO$ $C_9H_{10}O_2$ $M = 150{,}18$ g/mol **1 L ≈ 1,08 kg** assay (GC) ..... 99% congealing range ..... 13—14 °C	FL. *2911*	100 ml	76,50	65,05	61,20	57
	Ethoxybenzene see Phenetole						
64957	**1-(Ethoxycarbonylethyl)-triphenylphosphonium bromide** PROSYNTH® *1-(Ethoxycarbonyléthyl)-triphénylphosphonium bromure / 1-(Etoxicarboniletil)-trifenilfosfónio bromuro* $C_2H_5OCOCH_2CH_2P(C_6H_5)_3Br$ $C_{23}H_{24}BrO_2P$ $M = 443{,}32$ g/mol	WG. *2934*	100 g	31,25	26,55	25,—	23
64956	**N-Ethoxycarbonylphthalimide** PROSYNTH® *N-Ethoxycarbonylphtalimide / N-Etoxicarbonilftalimida* $C_6H_4CON(COOC_2H_5)CO$ $C_{11}H_9NO_4$ $M = 219{,}20$ g/mol assay (ex N) ..... 98% melting range ..... 80—83 °C	WG. *2926*	100 g	60,50	51,45	48,40	45
64403	**N-Ethoxycarbonylpiperazine** PROSYNTH® *N-Ethoxycarbonylpipérazine / N-Etoxicarbonilpiperacina* $CH_2CH_2NHCH_2CH_2NCOOC_2H_5$ $C_7H_{14}N_2O_2$ $M = 158{,}20$ g/mol **1 L ≈ 1,09 kg** assay (GC) ..... 98% boiling range ..... 243—245 °C refractive index (n_D^{20}) 1,478	FL. *2935*	10 ml	26,—	22,10	20,80	19
	2-Ethoxyethanol see Ethylene glycol monoethyl ether						
63466 A 3/4 +68 °C	**2-Ethoxyethyl methacrylate** PROSYNTH®stabilized with 2,4-dimethyl-6-*tert.*-butylphenol (1 g/l) *2-Ethoxyéthyle méthacrylate / 2-Etoxietilo metacrilato* $CH_2=C(CH_3)COOCH_2CH_2OCH_2CH_3$ $C_8H_{14}O_3$ $M = 158{,}20$ g/mol **1 L ≈ 0,96 kg** assay (GC) ..... 98% boiling range (at 29 mbar) ..... 68—70 °C refractive index (n_D^{20}) ..... 1,429 R: 36/37/38 S: 26-28 disposal: 6	FL. *2914*	1 L	51,50	43,80	41,20	39
64384 A 6.1/66 C 6.1 2811 2	**Ethoxymethylene-malonic acid dinitrile** PROSYNTH® *Acide éthoxyméthylène-malonique dinitrile / Acido etoximetilen-malónico dinitrilo* $C_2H_5OCH=C(CN)_2$ $C_6H_6N_2O$ $M = 122{,}13$ g/mol assay (GC) ..... 97% melting range ..... 65—67 °C	WG. *2927*	25 g	31,—	26,35	24,80	23
	2-Ethoxyphenol see Guaethol						

refer explanations

Number ADR E/GGVS G-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
3 1993 2 C	**3-Ethoxypropylamine** PROSYNTH® *3-Ethoxypropylamine / 3-Etoxipropilamina* $C_2H_5O(CH_2)_3NH_2$ $C_5H_{13}NO$ $M = 103{,}16$ g/mol **1 L ≈ 0,86 kg** assay (GC) ..... 99% boiling range ..... 136—138 °C refractive index (n_D^{20}) ..... 1,418 R: 10-36/37/38 S: 28 disposal: 19	FL. *2923*	100 ml	17,—	14,45	13,60	12,75
13	**N-Ethylacetamide** PROSYNTH® *N-Ethylacétamide / N-Etilacetamida* $CH_3CONHC_2H_5$ C_4H_9NO $M = 87{,}12$ g/mol **1 L ≈ 0,93 kg** assay (GC) ..... 97% boiling range ..... 203—205 °C refractive index (n_D^{20}) 1,432	FL. *2925*	100 ml	30,—	25,50	24,—	22,50
03	**Ethyl 2-acetamido-2-cyanoacetate** PROSYNTH® *Ethyle 2-acétamido-2-cyanacétate / Etilo 2-acetamido-2-cianacetato* $CH_3CONHCH(CN)COOC_2H_5$ $C_7H_{10}N_2O_3$ $M = 170{,}17$ g/mol assay (ex N) ..... 95% melting range ..... 127—129 °C	PF. *2927*	100 g	73,50	62,50	58,80	55,15
11 IA 2 1173 2	**Ethyl acetate** R. G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I *Ethyle acétate / Etilo acetato* $CH_3COOC_2H_5$ $C_4H_8O_2$ $M = 88{,}11$ g/mol **1 L ≈ 0,90 kg** assay (GC) ..... min. 99,5% boiling range ..... 76—78 °C density (D_4^{20}) ..... 0,898—0,901 refractive index (n_D^{20}) ..... 1,3710-1,3730 non-volatile matter ..... max. 0,001% water (according to Karl Fischer) ..... max. 0,05% free acid (as CH_3COOH) ..... max. 0,005% aluminium (Al) ..... max. 0,00005% barium (Ba) ..... max. 0,00001% lead (Pb) ..... max. 0,00001% boron (B) ..... max. 0,000002% cadmium (Cd) ..... max. 0,000005% calcium (Ca) ..... max. 0,00005% chromium (Cr) ..... max. 0,000002% iron (Fe) ..... max. 0,00001% cobalt (Co) ..... max. 0,000002% copper (Cu) ..... max. 0,000002% magnesium (Mg) ..... max. 0,00001% manganese (Mn) ..... max. 0,000002% nickel (Ni) ..... max. 0,000002% zinc (Zn) ..... max. 0,00001% tin (Sn) ..... max. 0,00001% reaction to sulphuric acid ..... passes test methyl acetate ..... max. 0,1% ethanol ..... max. 0,1% methanol ..... max. 0,1% R: 11 S: 16-23-29-33 disposal: 6	FL. FL. EKL. *2914*	1 L 2,5 L 25 kg	20,25 41,50 kg	17,20 34,45 9,—	15,80 32,35	15,— 31,15

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	9 (16 B
34949 A 3/1A C 3.2 1173 2 -4 °C	**Ethyl acetate** R. G. dried (max. 0,01% H_2O) *Ethyle acétate / Etilo acetato* $CH_3COOC_2H_5$ $C_4H_8O_2$ M = 88,11 g/mol **1 L ≈ 0,90 kg** assay (GC) ..... min. 99,5% boiling range ..... 76–78 °C density (D_4^{20}) ..... 0,898–0,901 refractive index (n_D^{20}) ..... 1,3710–1,3730 non-volatile matter ..... max. 0,001% water (according to Karl Fischer) ..... max. 0,01% free acid (as CH_3COOH) ..... max. 0,005% aluminium (Al) ..... max. 0,00005% barium (Ba) ..... max. 0,00001% lead (Pb) ..... max. 0,00001% boron (B) ..... max. 0,000002% cadmium (Cd) ..... max. 0,000005% calcium (Ca) ..... max. 0,00005% chromium (Cr) ..... max. 0,000002% iron (Fe) ..... max. 0,00001% cobalt (Co) ..... max. 0,000002% copper (Cu) ..... max. 0,000002% magnesium (Mg) ..... max. 0,00001% manganese (Mn) ..... max. 0,000002% nickel (Ni) ..... max. 0,000002% zinc (Zn) ..... max. 0,00001% tin (Sn) ..... max. 0,00001% reaction to sulphuric acid ..... passes test methyl acetate ..... max. 0,1% methanol ..... max. 0,1% R: 11 S: 16-23-29-33 disposal: 6	FL. *2914*	1 L	42,–	35,70	33,60	3
34917 A 3/1A C 3.2 1173 2 -4 °C	**Ethyl acetate** SPECTRANAL® *Ethyle acétate / Etilo acetato* $CH_3COOC_2H_5$ $C_4H_8O_2$ M = 88,11 g/mol **1 L ≈ 0,90 kg** assay (GC) ..... min. 99,7% non-volatile matter ..... max. 0,0005% water (acc. to Karl Fischer) ..... max. 0,03% free acid (as CH_3COOH) ..... max. 0,005% suitability for UV spectroscopy transmittance (1 cm cell/reference: water) transmittance/wavelength (nm): min. 20%/255, min. 75%/260, min. 95%/270, min. 98%/from 280 R: 11 S: 16-23-29-33 disposal: 6	FL. *2914*	500 ml	29,–	24,65	23,20	2
34858 A 3/1A C 3.2 1173 2 -4 °C	**Ethyl acetate** CHROMASOLV® for chromatography (UV-detection) *Ethyle acétate / Etilo acetato* $CH_3COOC_2H_5$ $C_4H_8O_2$ M = 88,11 g/mol **1 L ≈ 0,90 kg** assay (GC) ..... min. 99,7% non-volatile matter ..... max. 0,0005% water (according to Karl Fischer) ..... max. 0,03% free acid (as CH_3COOH) ..... max. 0,005% transmittance (1 cm cell; reference water) transmittance/wavelength (nm): min. 20%/255, min. 50%/260, min. 80%/270, min. 98%/from 300 R: 11 S: 16-23-29-33 disposal: 6	FL. *2914*	1 L	25,–	21,25	20,–	1

de-Number RID/ADR GGVE/GGVS MDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
4490 3/1A 3.2 1173 2 ,°C	**Ethyl acetate PESTANAL®** *Ethyle acétate / Etilo acetato* $CH_3COOC_2H_5$ $C_4H_8O_2$ $M = 88{,}11$ g/mol 1 L ≈ 0,90 kg assay (GC) ..... min. 99,8% non-volatile matter ..... max. 0,0005% water (according to Karl Fischer) ..... max. 0,02% suitability for residue analysis: Traceable accompanying substances (GC/ECD) (column 0,5 m, glass capillary ∅ 3 mm Silicon TLC 200 on Chromosorb® 100/200) show in the retention volum zones between Pentachlorobenzene, α-HCH, Aldrin and DDT a peak of $< 5 \cdot 10^{-10}$ % ≙ 5 ng/l. R: 11 S: 16-23-29-33 disposal: 6	FL. FL. *2914*	1 L 2,5 L	29,25 60,50	24,85 50,20	23,40 47,20	22,50 45,40
7947 3/1A 3.2 1173 2 °C	**Ethyl acetate PURANAL®** *Ethyle acétate / Etilo acetato* $CH_3COOC_2H_5$ $C_4H_8O_2$ $M = 88{,}11$ g/mol 1 L ≈ 0,90 kg assay ..... min. 99,9% boiling range ..... 76—78 °C density (D_4^{20}) ..... 0,898—0,901 refractive index (n_D^{20}) ..... 1,3710—1,3730 non-volatile matter ..... max. 10 ppm water (according to Karl Fischer) ..... max. 500 ppm free acid (as CH_3COOH) ..... max. 50 ppm aluminium (Al) ..... max. 0,05 ppm antimony (Sb) ..... max. 0,01 ppm arsenic (As) ..... max. 0,01 ppm barium (Ba) ..... max. 0,1 ppm beryllium (Be) ..... max. 0,01 ppm lead (Pb) ..... max. 0,02 ppm boron (B) ..... max. 0,02 ppm cadmium (Cd) ..... max. 0,01 ppm calcium (Ca) ..... max. 0,2 ppm chromium (Cr) ..... max. 0,01 ppm iron (Fe) ..... max. 0,1 ppm gallium (Ga) ..... max. 0,02 ppm gold (Au) ..... max. 0,02 ppm indium (In) ..... max. 0,02 ppm potassium (K) ..... max. 0,1 ppm cobalt (Co) ..... max. 0,01 ppm copper (Cu) ..... max. 0,01 ppm lithium (Li) ..... max. 0,02 ppm magnesium (Mg) ..... max. 0,1 ppm manganese (Mn) ..... max. 0,01 ppm molybdenum (Mo) ..... max. 0,01 ppm sodium (Na) ..... max. 0,2 ppm nickel (Ni) ..... max. 0,01 ppm platinum (Pt) ..... max. 0,02 ppm silver (Ag) ..... max. 0,02 ppm strontium (Sr) ..... max. 0,02 ppm thallium (Tl) ..... max. 0,02 ppm titanium (Ti) ..... max. 0,01 ppm vanadium (V) ..... max. 0,01 ppm bismuth (Bi) ..... max. 0,02 ppm zinc (Zn) ..... max. 0,05 ppm tin (Sn) ..... max. 0,02 ppm zirconium (Zr) ..... max. 0,01 ppm methyl acetate ..... max. 1000 ppm ethanol ..... max. 1000 ppm methanol ..... max. 1000 ppm R: 11 S: 16-23-29-33 disposal: 6	FL. *2914*	2,5 L	price on request		

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27227	**Ethyl acetate** *Ethyle acétate / Etilo acetato* $CH_3COOC_2H_5$ $C_4H_8O_2$ $M = 88{,}11$ g/mol **1 L ≈ 0,90 kg** assay (GC) ..... 99,5 % boiling range ..... 76–78 °C density (D_4^{20}) ..... 0,898–0,901 refractive index (n_D^{20}) ..... 1,3710–1,3730 non-volatile matter ..... 0,001 % water (according to Karl Fischer) ..... 0,1 % free acid (as CH_3COOH) ..... 0,005 % R: 11 S: 16-23-29-33 disposal: 6	FL. FL. EKL. EKL. EKL. F. *2914*	1 L 2,5 L 25 kg 5x 10x 180 kg	19,— 39,— kg kg kg kg	16,15 32,35 6,— 5,50 5,20 5,05	15,20 30,40	14, 29,
33003	**Ethyl acetoacetate** R. G. *Ethyle acétylacétate / Etilo acétoacétato* $CH_3COCH_2COOC_2H_5$ $C_6H_{10}O_3$ $M = 130{,}14$ g/mol **1 L ≈ 1,02 kg** assay (GC) ..... min. 99 % boiling range ..... 178–183 °C density (D_4^{20}) ..... 1,028–1,030 refractive index (n_D^{20}) ..... 1,4190–1,4192 non-volatile matter ..... max. 0,05 %	FL. FL. *2916*	250 ml 1 L	11,75 30,—	10,— 25,50	9,40 24,—	8, 23,
60003	**Ethyl acetoacetate** PROSYNTH® *Ethyle acétylacétate / Etilo acetoacetato* $CH_3COCH_2COOC_2H_5$ $C_6H_{10}O_3$ $M = 130{,}14$ g/mol **1 L ≈ 1,03 kg** assay (GC) ..... 99 % boiling range ..... 178–183 °C refractive index (n_D^{20}) 1,419	FL. FL. *2916*	500 ml 2,5 L	12,50 43,75	10,65 36,30	10,— 34,15	9, 32,
64204	**Ethyl acetoacetate, sodium derivative** PROSYNTH® *Ethyle acétoacétate, dérivé de sodium / Etilo acetoacetato, derivado de sodio* $CH_3C(ONa) = CHCOOC_2H_5$ $C_6H_9NaO_3$ $M = 152{,}13$ g/mol assay ..... 98 %	WG. *2916*	1 kg	75,50	64,20	60,40	58,
62024 A 3/1 C 3.2 1917 2 +8 °C	**Ethyl acrylate** PROSYNTH® *Ethyle acrylate / Etilo acrilato* $CH_2 = CHCOOC_2H_5$ $C_5H_8O_2$ $M = 100{,}12$ g/mol **1 L ≈ 0,92 kg** assay (GC) ..... 99 % boiling range ..... 100–102 °C refractive index (n_D^{20}) 1,406	FL. *2914*	1 L	25,25	21,45	20,20	19,
39295	**Ethyl-L-alaninate hydrochloride** BIOSYNTH® *Ethyle L-alaninate chlorhydrate / Etilo L-alaninato clorhidrato* $CH_3CH(NH_2)COOC_2H_5 \cdot HCl$ $C_5H_{12}ClNO_2$ $M = 153{,}61$ g/mol	FL. *2923*	1 g	22,75	19,35	18,20	17,
39287	**Ethyl DL-alaninate hydrochloride** BIOSYNTH® *Ethyle DL-alaninate chlorhydrate / Etilo DL-alaninato clorhidrato* $CH_3CH(NH_2)COOC_2H_5 \cdot HCl$ $C_5H_{12}ClNO_2$ $M = 153{,}61$ g/mol	WG. *2923*	5 g	34,—	28,90	27,20	25,
	Ethyl alcohol see Ethanol						
15075 A 3/5 C 3.1 2270 2 -27 °C	**Ethylamine solution** abt. 70 % *mono* *Ethylamine en solution / Etilamina en solución* $C_2H_5NH_2$ C_2H_7N $M = 45{,}08$ g/mol **1 L ≈ 0,80 kg** R: 13-36/37 S: 16-26-29 disposal: 19	FL. STP. F. *2922*	1 L 45 kg 165 kg	19,— price on request price on request	16,15	15,20	14,

refer explanations

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5016 3/5 3.2 2270 2 2°C	**Ethylamine solution** abt. 50% *mono* *Ethylamine en solution / Etilamina en solución* $C_2H_5NH_2$ C_2H_7N *M* = 45,08 g/mol **1 L ≈ 0,87 kg** R: 13-36/37 S: 16-26-29 disposal: 19	FL. EKL. F. *2922*	**1 L** **25 kg** **165 kg**	16,—	13,60 price on request price on request	12,80	12,30
4262	**Ethyl 2-aminobenzoate** PROSYNTH® *Ethyle amino-2-benzoate / Etilo 2-aminobenzoato* $NH_2C_6H_4COOC_2H_5$ $C_9H_{11}NO_2$ *M* = 165,19 g/mol **1 L ≈ 1,12 kg** assay (GC) ..... 99% boiling range ..... 265—268 °C refractive index (n_D^{20}) 1,564	FL. *2923*	**100 ml**	48,—	40,80	38,40	36,—
5192 12°C	**Ethyl 3-aminobenzoate** PROSYNTH® *Ethyle amino-3-benzoate / Etilo 3-aminobenzoato* $NH_2C_6H_4COOCH_2CH_3$ $C_9H_{11}NO_2$ *M* = 165,19 g/mol **1 L ≈ 1,11 kg** boiling range (at 0,5 mbar) ..... 103—106 °C refractive index (n_D^{20}) 1,560	FL. *2923*	**50 ml**	price on request			
65173	**Ethyl 4-aminobenzoate** PROSYNTH® *Ethyle amino-4-benzoate / Etilo 4-aminobenzoato* $H_2NC_6H_4COOCH_2CH_3$ $C_9H_{11}NO_2$ *M* = 165,19 g/mol assay (HPLC) ..... 99% melting range ..... 89—92 °C	WG. *2923*	**250 g**	27,25	23,15	21,80	20,45
64394 A 6.1/21 C 6.1 2810 2	**1-Ethyl-3-aminopiperidine** PROSYNTH® *Ethyl-1-amino-3-pipéridine / 1-Etil-3-aminopiperidina* $CH_3CH_2\underline{NCH_2CH(NH_2)CH_2CH_2CH_2}$ $C_7H_{16}N_2$ *M* = 128,22 g/mol **1 L ≈ 0,90 kg** assay (GC) ..... 98% boiling range ..... 153—155 °C refractive index (n_D^{20}) 1,472	FL. *2935*	**25 ml**	73,50	62,50	58,80	55,15
60012	**Ethylammonium chloride** PROSYNTH® *Ethylammonium chlorure / Etilamonio cloruro* $CH_3CH_2NH_3Cl$ C_2H_8ClN *M* = 81,54 g/mol	WG. *2922*	**500 g**	29,50	25,10	23,60	22,70
62036 A 6.1/11B C 6.1 2272 3	**N-Ethylaniline** PROSYNTH® *N-Ethylaniline / N-Etilanilina* $C_6H_5NHC_2H_5$ $C_8H_{11}N$ *M* = 121,18 g/mol **1 L ≈ 0,96 kg** assay (GC) ..... 98% boiling range ..... 203—205 °C refractive index (n_D^{20}) ..... 1,555 R: 23/24/25-33 S: 28-37-44 disposal: 19	FL. *2922*	**250 ml**	15,75	13,40	12,60	11,80
62037 A 6.1/11B C 6.1 2273 3	**2-Ethylaniline** PROSYNTH® *2-Ethylaniline / 2-Etilanilina* $C_2H_5C_6H_4NH_2$ $C_8H_{11}N$ *M* = 121,18 g/mol **1 L ≈ 0,98 kg** assay (GC) ..... 99% boiling range ..... 209—211 °C refractive index (n_D^{20}) ..... 1,559 R: 23/24/25-33 S: 28-37-44 disposal: 19	FL. *2922*	**250 ml**	23,50	20,—	18,80	17,65

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64374 A 6.1/11B C 6.1 2810 2	**3-Ethylaniline** PROSYNTH® *3-Ethylaniline / 3-Etilanilina* $C_2H_5C_6H_4NH_2$ $C_8H_{11}N$ $M = 121,18$ g/mol **1 L ≈ 0,97 kg** assay (GC) ..... 99% boiling range ..... 212—214 °C refractive index (n_D^{20}) ..... 1,556 R: 23/24/25-33 S: 28-37-44 disposal: 19	FL. *2922*	10 ml	34,50	29,35	27,60	25,9
62038 A 6.1/11B C 6.1 2810 2	**4-Ethylaniline** PROSYNTH® *4-Ethylaniline / 4-Etilanilina* $C_2H_5C_6H_4NH_2$ $C_8H_{11}N$ $M = 121,18$ g/mol **1 L ≈ 0,97 kg** assay (GC) ..... 99% boiling range ..... 213—215 °C refractive index (n_D^{20}) ..... 1,555 R: 23/24/25-33 S: 28-37-44 disposal: 19	FL. *2922*	100 ml	34,50	29,35	27,60	25,9
62039	**2-Ethylanthraquinone** PROSYNTH® *2-Ethylanthraquinone / 2-Etilantraquinona* $C_2H_5C_6H_3COC_6H_4CO$ $C_{16}H_{12}O_2$ $M = 236,27$ g/mol assay (HPLC) ..... 97% melting range ..... 108—110 °C	WG. *2913*	100 g	24,—	20,40	19,20	18,-
30832 A 3/1A C 3.2 1175 2 +15 °C	**Ethylbenzene** min. 99,9% for gas chromatography *Ethylbenzène / Etilbenceno* $C_6H_5C_2H_5$ C_8H_{10} $M = 106,17$ g/mol **1 L ≈ 0,88 kg** R: 11-37 S: 16-29 disposal: 6	FL. *2901*	5 ml	49,25	41,85	39,40	36,9
62040 A 3/1A C 3.2 1175 2 +15 °C	**Ethylbenzene** PROSYNTH® *Ethylbenzène / Etilbenceno* $C_6H_5C_2H_5$ C_8H_{10} $M = 106,17$ g/mol **1 L ≈ 0,88 kg** assay (GC) ..... 99% boiling range ..... 135—137 °C refractive index (n_D^{20}) ..... 1,496 R: 11-37 S: 16-29 disposal: 6	FL. *2901*	1 L	14,50	12,35	11,60	11,
60045 A 3/4 +88 °C	**Ethyl benzoate** PROSYNTH® *Ethyle benzoate / Etilo benzoato* $C_6H_5COOC_2H_5$ $C_9H_{10}O_2$ $M = 150,18$ g/mol **1 L ≈ 1,05 kg** assay (GC) ..... 99% boiling range ..... 211—213 °C refractive index (n_D^{20}) 1,505	FL. *2914*	500 ml	32,25	27,40	25,80	24,8
62126	**Ethyl benzoylacetate** PROSYNTH® *Ethyle benzoylacétate / Etilo benzoilacetato* $C_6H_5COCH_2COOC_2H_5$ $C_{11}H_{12}O_3$ $M = 199,21$ g/mol **1 L ≈ 1,11 kg** assay (alkalimetric) ..... 97% boiling range (at 19 mbar) ..... 163—165 °C refractive index (n_D^{20}) 1,530	FL. *2916*	250 ml	45,25	38,45	36,20	33,9
39298	**Ethyl N-benzoyl-L-tyrosinate** BIOSYNTH® *Ethyle N-benzoyl-L-tyrosinate / Etilo N-benzoil-L-tirosinato* $HOC_6H_4CH_2CH(NHCOC_6H_5)COOCH_2CH_3$ $C_{18}H_{19}NO_4$ $M = 313,35$ g/mol	FL. *2923*	1 g	14,—	11,90	11,20	10,5

refer explanations

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69 5 760 2 °C	**N-Ethylbenzylamine** PROSYNTH® *N-Ethylbenzylamine / N-Etilbencilamina* $C_6H_5CH_2NHCH_2CH_3$ $C_9H_{13}N$ M = 135,21 g/mol 1 L ≈ 0,93 kg assay (GC) ..... 99% boiling range ..... 193—195 °C	FL. 2922	25 ml	14,—	11,90	11,20	10,50
41	**Ethyl benzyl ketone** PROSYNTH® *Ethylbenzylcétone / Etilbencilcetona* $C_6H_5CH_2COC_2H_5$ $C_{10}H_{12}O$ M = 148,20 g/mol 1 L ≈ 0,99 kg assay (GC) ..... 97% boiling range (at 20 mbar) ..... 109—112 °C refractive index (n_D^{20}) 1,512	FL. 2913	100 ml	51,50	43,80	41,20	38,65
	Ethyl bromide see Bromoethane						
382 1/61H 1 1603 2	**Ethyl bromoacetate** PROSYNTH® *Ethyle bromoacétate / Etilo bromoacetato* $CH_2BrCOOC_2H_5$ $C_4H_7BrO_2$ M = 167,00 g/mol 1 L ≈ 1,50 kg assay ..... 98% boiling range ..... 157—159 °C refractive index (n_D^{20}) ..... 1,450 R: 26/27/28 S: 7/9-26-45 disposal: 7	FL. 2914	500 ml	64,50	54,85	51,60	49,65
367 .1/61 .1 2810 3	**1-Ethyl-4-bromobenzene** PROSYNTH® *1-Ethyl-4-bromobenzène / 1-Etil-4-bromobenceno* $C_2H_5C_6H_4Br$ C_8H_9Br M = 185,06 g/mol 1 L ≈ 1,34 kg assay (GC) ..... 98% boiling range ..... 203—206 °C refractive index (n_D^{20}) 1,545	FL. 2902	10 ml	36,—	30,60	28,80	27,—
	Ethyl 2-bromobutanate see Ethyl 2-bromobutyrate						
184 6.1/61H 6.1 2810 2	**Ethyl 2-bromobutyrate** PROSYNTH® *Ethyle 2-bromobutyrate / Etilo 2-bromobutirato* $CH_3CH_2CHBrCOOC_2H_5$ $C_6H_{11}BrO_2$ M = 195,06 g/mol 1 L ≈ 1,32 kg assay (GC) ..... 97% boiling range ..... 175—177 °C refractive index (n_D^{20}) 1,448	FL. 2914	250 ml	34,50	29,35	27,60	25,90
2855 3/4 3.3 1993 2 30 °C	**Ethyl 2-bromo-*iso*-butyrate** PROSYNTH® *Ethyle 2-bromo-iso-butyrate / Etilo 2-bromo-iso-butirato* $(CH_3)_2CBrCOOC_2H_5$ $C_6H_{11}BrO_2$ M = 195,06 g/mol 1 L ≈ 1,33 kg assay (GC) ..... 98% boiling range ..... 161—163 °C refractive index (n_D^{20}) 1,445	FL. F. 2914	100 ml 200 kg	42,75 price on request	36,35	34,20	32,05
1335 3/4 3.3 1993 2 58 °C	**Ethyl 4-bromobutyrate** PROSYNTH® *Ethyle 4-bromobutyrate / Etilo 4-bromobutirato* $Br(CH_2)_3COOCH_2CH_3$ $C_6H_{11}BrO_2$ M = 195,06 g/mol 1 L ≈ 1,35 kg assay (GC) ..... 97% boiling range (at 13 mbar) ..... 80—82 °C refractive index (n_D^{20}) 1,456	FL. 2914	100 ml	47,—	39,95	37,60	35,25
1612	**Ethyl 2-bromodecanoate** PROSYNTH® *Ethyle 2-bromodécanoate / Etilo 2-bromodecanoato* $CH_3(CH_2)_7CHBrCOOC_2H_5$ $C_{12}H_{23}BrO_2$ M = 279,22 g/mol 1 L ≈ 1,13 kg assay (GC) ..... 97% boiling range (at 28 mbar) ..... 161—163 °C refractive index (n_D^{20}) 1,454	FL. 2914	50 ml	62,—	52,70	49,60	46,50

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64630	**Ethyl 2-bromododecanoate** PROSYNTH® *Ethyle 2-bromododécanoate / Etilo 2-bromododecanoato* $CH_3(CH_2)_9CHBrCOOC_2H_5$ $C_{14}H_{27}BrO_2$ $M = 307,27$ g/mol **1 L ≈ 1,10 kg** assay ..... 98 % boiling range (at 9 mbar) ..... 163–165 °C refractive index (n_D^{20}) 1,458	FL. 2914	50 ml	47,75	40,60	38,20
64634	**Ethyl 2-bromoheptanoate** PROSYNTH® *Ethyle 2-bromoheptanoate / Etilo 2-bromoheptanoato* $CH_3(CH_2)_4CHBrCOOC_2H_5$ $C_9H_{17}BrO_2$ $M = 237,14$ g/mol **1 L ≈ 1,20 kg** assay (GC) ..... 98 % boiling range (13 mbar) ..... 107–109 °C	FL. 2914	100 ml	64,50	54,85	51,60
64724	**Ethyl 2-bromononanoate** PROSYNTH® *Ethyle 2-bromononanoate / Etilo 2-bromononanoato* $CH_3(CH_2)_6CHBrCOOC_2H_5$ $C_{11}H_{21}BrO_2$ $M = 265,19$ g/mol **1 L ≈ 1,07 kg**	FL. 2914	25 ml	71,–	60,35	56,80
64729	**Ethyl 2-bromooctanoate** PROSYNTH® *Ethyle 2-bromooctanoate / Etilo 2-bromooctanoato* $CH_3(CH_2)_5CHBrCOOC_2H_5$ $C_{10}H_{19}BrO_2$ $M = 251,16$ g/mol **1 L ≈ 1,18 kg** assay (GC) ..... 97 % boiling range (at 33 mbar) ..... 137–139 °C	FL. 2914	500 ml	45,25	38,45	36,20
62220 A 6.1/61H C 3.3 1992 2 +52 °C	**Ethyl DL-2-bromopropionate** PROSYNTH® *Ethyl DL-2-bromopropionate / Etilo DL-2-bromopropionato* $CH_3CHBrCOOC_2H_5$ $C_5H_9BrO_2$ $M = 181,03$ g/mol **1 L ≈ 1,39 kg** assay (GC) ..... 98 % boiling range ..... 156–160 °C refractive index (n_D^{20}) ..... 1,447 R: 36/37/38 S: 26 disposal: 7	FL. F. 2914	100 ml 200 kg	16,75 price on request	14,25	13,40
62221 A 6.1/61H C 3.3 1992 2 +61 °C	**Ethyl 3-bromopropionate** PROSYNTH® *Ethyle 3-bromopropionate / Etilo 3-bromopropionato* $BrCH_2CH_2COOCH_2CH_3$ $C_5H_9BrO_2$ $M = 181,03$ g/mol **1 L ≈ 1,42 kg** assay (GC) ..... 99 % boiling range ..... 67–68 °C R: 36/37/38 S: 26 disposal: 7	FL. FL. 2914	† 100 ml 500 ml	16,– 58,–	14,25 49,30	13,45 46,40
15276 A 6.1/61H C 6.1 2810 2	**Ethyl 3-bromopropionate** *Ethyle 3-bromopropionate / Etilo 3-bromopropionato* $BrCH_2CH_2COOCH_2CH_3$ $C_5H_9BrO_2$ $M = 181,03$ g/mol **1 L ≈ 1,42 kg** assay (GC) ..... 99 % boiling range ..... 67–68 °C R: 36/37/38 S: 26 disposal: 7	STP. F. 2914	40 kg 300 kg	price on request price on request		
64732	**Ethyl 2-bromotetradecanoate** PROSYNTH® *Ethyle 2-bromotétradécanoate / Etilo 2-bromotetradecanoato* $CH_3(CH_2)_{11}CHBrCOOC_2H_5$ $C_{16}H_{31}BrO_2$ $M = 335,32$ g/mol **1 L ≈ 1,06 kg** assay (GC) ..... 98 % boiling range (bei 0,13 mbar) ..... 124–126 °C refractive index (n_D^{20}) 1,460	FL. 2914	25 ml	41,25	35,05	33,–
64741	**Ethyl 2-bromoundecanoate** PROSYNTH® *Ethyle 2-bromoundécanoate / Etilo 2-bromoundecanoato* $CH_3(CH_2)_8CHBrCOOC_2H_5$ $C_{13}H_{25}BrO_2$ $M = 293,24$ g/mol assay ..... 97 %	FL. 2914	25 g	34,–	28,90	27,20

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146 *3* 3 1993 2 3 °C	**Ethyl 5-bromovalerate** PROSYNTH® *Ethyle bromo-5-valérate / Etilo 5-bromovaleriato* $Br(CH_2)_4COOC_2H_5$ $C_7H_{13}BrO_2$ M = 209,08 g/mol **1 L ≈ 1,31 kg** assay (GC) ..... 98 % boiling range (at 47 mbar) ..... 127—129 °C refractive index (n_D^{20}) ..... 1,459 R: 10 disposal: 7	FL. *2914*	25 ml	37,75	32,10	30,20	28,30
470 */4* .3 2275 3 7 °C	**2-Ethylbutanol-(1)** PROSYNTH® *2-Ethylbutanol-(1) / 2-Etilbutanol-(1)* $(C_2H_5)_2CHCH_2OH$ $C_6H_{14}O$ M = 102,18 g/mol **1 L ≈ 0,83 kg** assay (GC) ..... 98 % boiling range ..... 145—147 °C refractive index (n_D^{20}) ..... 1,422 R: 21/22 disposal: 6	FL. *2904*	250 ml	29,75	25,30	23,80	22,30
955 *3/1A* 3.2 1993 2 18 °C	**2-Ethylbuten-(2)-al** PROSYNTH® *2-Ethylbuténal-(2) / 2-Etilbutenal-(2)* $CH_3CH=C(CH_2CH_3)CHO$ $C_6H_{10}O$ M = 98,14 g/mol **1 L ≈ 0,85 kg** assay (GC) ..... 88 % boiling range ..... 133—136 °C refractive index (n_D^{20}) ..... 1,443 R: 11 S: 9-16-33 disposal: 6	FL. *2911*	500 ml	19,75	16,80	15,80	15,20
3283 *3/3* 3.3 1993 2 37 °C	**Ethyl *sec.*-butylcyanoacetate** PROSYNTH® *Ethyle sec.-butylcyanoacétate / Etilo sec.-butilcianoacetato* $CH_3CH_2CH(CH_3)CH(CN)COOC_2H_5$ $C_9H_{15}NO_2$ M = 169,22 g/mol **1 L ≈ 0,96 kg** assay (GC) ..... 97 % boiling range (at 15 mbar) ..... 104—106 °C refractive index (n_D^{20}) ..... 1,428 R: 10 disposal: 6	FL. *2927*	100 ml	46,—	39,10	36,80	34,50
3477 *3/3* 3.3 1224 2 -28 °C	**Ethyl *iso*-butyl ketone** PROSYNTH® *Ethyl-iso-butylcétone / Etil-iso-butilcetona* $(CH_3)_2CHCH_2COC_2H_5$ $C_7H_{14}O$ M = 114,19 g/mol **1 L ≈ 0,81 kg** assay (GC) ..... 95 % boiling range ..... 134—136 °C refractive index (n_D^{20}) ..... 1,405 R: 10 disposal: 6	FL. *2913*	25 ml	49,50	42,10	39,60	37,15
	Ethylbutyl ketone see 3-Heptanone						
0082 *3/3* 3.3 1180 2 -26 °C	**Ethyl butyrate** PROSYNTH® *Ethyle butyrate / Etilo butirato* $CH_3CH_2CH_2COOC_2H_5$ $C_6H_{12}O_2$ M = 116,16 g/mol **1 L ≈ 0,88 kg** assay (GC) ..... 99 % boiling range ..... 118—121 °C refractive index (n_D^{20}) ..... 1,393 R: 10 disposal: 6	FL. *2914*	500 ml	20,25	17,20	16,20	15,60
4366 *3/3A* 3.3 1180 2 +25 °C	**Ethyl *iso*-butyrate** PROSYNTH® *Ethyle iso-butyrate / Etilo iso-butirato* $(CH_3)_2CHCOOCH_2CH_3$ $C_6H_{12}O_2$ M = 116,16 g/mol **1 L ≈ 0,87 kg** assay (GC) ..... 98 % boiling range ..... 107—110 °C refractive index (n_D^{20}) ..... 1,388 R: 10 disposal: 6	FL. *2914*	250 ml	24,75	21,05	19,80	18,55

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62042 A 3/4 +99 °C	**2-Ethylbutyric acid** PROSYNTH® *Acide 2-éthylbutyrique / Acido 2-etilbutírico* $(C_2H_5)_2CHCOOH$ $C_6H_{12}O_2$ $M = 116{,}16$ g/mol **1 L ≈ 0,92 kg** assay (alkalimetric) ..... 99 % boiling range ..... 192 – 194 °C refractive index (n_D^{20}) 1,413	FL. *2914*	1 L	56,—	47,60	44,80	43,10
64463	**Ethyl caprate** PROSYNTH® *Ethyle caprate / Etilo caprato* $CH_3(CH_2)_8COOCH_2CH_3$ $C_{12}H_{24}O_2$ $M = 200{,}32$ g/mol **1 L ≈ 0,86 kg** assay (GC) ..... 99 % boiling range ..... 240 – 242 °C refractive index (n_D^{20}) 1,425	FL. *2914*	250 ml	43,75	37,20	35,—	32,80
	Ethyl caproate see Ethyl hexanoate						
	2-Ethylcaproic acid see 2-Ethylhexanoic acid						
62267 A 3/4	**Ethyl caprylate** PROSYNTH® *Ethyle caprylate / Etilo caprilato* $CH_3(CH_2)_6COOC_2H_5$ $C_{10}H_{20}O_2$ $M = 172{,}27$ g/mol **1 L ≈ 0,87 kg** assay (GC) ..... 98 % boiling range ..... 206 – 208 °C refractive index (n_D^{20}) 1,418	FL. *2914*	250 ml	28,—	23,80	22,40	21,—
	Ethyl carbaminate see Urethane						
62043	**9-Ethylcarbazole** PROSYNTH® *9-Ethylcarbazole / 9-Etilcarbazol* $C_6H_4C_6H_4NC_2H_5$ $C_{14}H_{13}N$ $M = 195{,}26$ g/mol assay (HPLC) ..... 98 % melting range ..... 64 – 67 °C	WG. *2935*	250 g	43,25	36,75	34,60	32,40
	Ethyl carbonate see Diethyl carbonate						
15086	**Ethylcellulose 7 mPa s** *Ethylcellulose 7 mPa s / Etilcelulosa 7 mPa s* viscosity ($[\eta]^{25}$, 5 % in toluene/ethanol 80 + 20) 7 mPa s	WG. *3903*	500 g	50,—	42,50	40,—	38,50
15085	**Ethylcellulose 45 mPa s** *Ethylcellulose 45 mPa s / Etilcelulosa 45 mPa s* viscosity ($[\eta]^{25}$, 5 % in toluene/ethanol 80 + 20) ..... 45 mPa s	WG. *3903*	500 g	50,—	42,50	40,—	38,50
60102 A 6.1/61F C 3.3 1181 2 +53 °C	**Ethyl chloroacetate** PROSYNTH® *Ethyle chloroacétate / Etilo cloroacetato* $ClCH_2COOC_2H_5$ $C_4H_7ClO_2$ $M = 122{,}55$ g/mol **1 L ≈ 1,15 kg** assay (GC) ..... 99 % boiling range ..... 142 – 145 °C refractive index (n_D^{20}) ..... 1,422 R: 23/24/25 S: 7/9-44 disposal: 7	FL. *2914*	1 L	33,25	28,25	26,60	25,60
64387 A 6.1/61F C 6.1 2810 2	**Ethyl 2-chloroacetoacetate** PROSYNTH® *Ethyle chloro-2-acétoacétate / Etilo 2-cloroacetoacetato* $CH_3COCHClCOOCH_2CH_3$ $C_6H_9ClO_3$ $M = 164{,}59$ g/mol **1 L ≈ 1,18 kg** R: 36/37/38 S: 26 disposal: 7	FL. *2916*	250 ml	13,25	11,25	10,60	9,90

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33 /61F 2810 2	**Ethyl 4-chloroacetoacetate** PROSYNTH® *Ethyle 4-chloroacétylcétate / Etilo 4-cloroacetoacétato* $ClCH_2COCH_2COOC_2H_5$ $C_6H_9ClO_3$ M = 164,59 g/mol **1 L ≈ 1,21 kg** assay (GC) ..... 97% boiling range (at 19 mbar) ..... 113–115 °C refractive index (n_D^{20}) ..... 1,452 R: 36/37/38 S: 26 disposal: 7	FL. 2916	50 ml	19,75	16,80	15,80	14,80
00 4 °C	**Ethyl 4-chlorobutyrate** PROSYNTH® *Ethyle 4-chlorobutyrate / Etilo 4-clorobutirato* $Cl(CH_2)_3COOCH_2CH_3$ $C_6H_{11}ClO_2$ M = 150,60 g/mol **1 L ≈ 1,08 kg** assay (GC) ..... 97% boiling range ..... 184–186 °C refractive index (n_D^{20}) 1,431	FL. 2914	100 ml	53,–	45,05	42,40	39,75
993 1/4C 2 1182 1 5 °C	**Ethyl chloroformate** PROSYNTH® *Ethyle chloroformiate / Etilo cloroformiato* $ClCOOC_2H_5$ $C_3H_5ClO_2$ M = 108,52 g/mol **1 L ≈ 1,14 kg** assay (GC) ..... 98% boiling range ..... 93–95 °C refractive index (n_D^{20}) ..... 1,397 R: 11-23-36/37/38 S: 9-16-33-44 disposal: 7	FL. FL. 2914	500 ml 2,5 L	17,– 65,50	14,45 54,35	13,60 51,10	13,10 49,15
322	**1-Ethyl-3-chloropiperidinium chloride** PROSYNTH® 50% solution in water *Ethyl-1-chloro-3-pipéridine chlorhydrate / 1-Etil-3-cloropiperidinio cloruro* $C_7H_{15}Cl_2N$ M = 184,11 g/mol **1 L ≈ 1,11 kg** assay (ex Cl) ..... 50% keep cool à stocker au frais consérvese frio	FL. 2935	25 ml	43,75	37,20	35,–	32,80
428 .1/61F .1 2810 3 5 °C	**Ethyl 2-chloropropionate** PROSYNTH® *Ethyle 2-chloropropionate / Etilo 2-cloropropionato* $CH_3CHClCOOCH_2CH_3$ $C_5H_9ClO_2$ M = 136,58 g/mol **1 L ≈ 1,08 kg** assay (GC) ..... 97% boiling range ..... 144–146 °C refractive index (n_D^{20}) ..... 1,418 R: 20/21/22 S: 28 disposal: 7	FL. 2914	100 ml	89,50	76,10	71,60	67,15
346 3/4 3.3 1992 2 1 °C	**Ethyl 3-chloropropionate** PROSYNTH® *Ethyle 3-chloropropionate / Etilo 3-cloropropionato* $ClCH_2CH_2COOC_2H_5$ $C_5H_9ClO_2$ M = 136,58 g/mol **1 L ≈ 1,11 kg** assay (GC) ..... 98% boiling range ..... 160–162 °C refractive index (n_D^{20}) ..... 1,425 R: 20/21/22 S: 28 disposal: 7	FL. 2914	100 ml	31,75	27,–	25,40	23,80
406 3.1/61F 3.1 2810 2	**S-Ethyl chlorothioformate** PROSYNTH® *S-Ethyle chlorothioformiate / S-Etilo clorotioformiato* $ClCOSC_2H_5$ C_3H_5ClOS M = 124,59 g/mol **1 L ≈ 1,20 kg** assay (GC) ..... 95% boiling range ..... 132–135 °C refractive index (n_D^{20}) ..... 1,483 R: 23/24/25 S: 44 disposal: 7	FL. 2931	100 ml	25,25	21,45	20,20	18,95

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62823	**Ethyl cinnamate** PROSYNTH® *Ethyle cinnamate / Etilo cinamato* $C_6H_5CH=CHCOOC_2H_5$ $C_{11}H_{12}O_2$ M = 176,21 g/mol **1 L ≈ 1,05 kg** assay (GC) ... 98 % boiling range (at 13 mbar) ... 133–135 °C refractive index (n_D^{20}) ... 1,559	FL. *2914*	100 ml	19,—	16,15	15,20	
62366 A 3/1A C 3.2 1993 2 +2 °C	**Ethyl crotonate** PROSYNTH® *Ethyle crotonate / Etilo crotonato* $CH_3CH=CHCOOC_2H_5$ $C_6H_{10}O_2$ M = 114,14 g/mol **1 L ≈ 0,92 kg** assay (GC) ... 97 % boiling range ... 134–137 °C refractive index (n_D^{20}) ... 1,425 R: 11 S: 9-16-33 disposal: 6	FL. *2914*	100 ml	12,75	10,85	10,20	
	Ethyl cyanide see Propionitrile						
60114 A 6.1/21A C 6.1 2810 3 +91 °C	**Ethyl cyanoacetate** PROSYNTH® *Ethyle cyanacétate / Etilo cianacetato* $NCCH_2COOC_2H_5$ $C_5H_7NO_2$ M = 113,12 g/mol **1 L ≈ 1,06 kg** assay (GC) ... 99 % boiling range ... 207–209 °C refractive index (n_D^{20}) ... 1,418	FL. FL. *2927*	500 ml 2,5 L	25,25 101,—	21,45 83,85	20,20 78,80	
64365 A 6.1/21 C 6.1 2810 2	**N-Ethyl-N-cyanoethylaniline** PROSYNTH® *N-Ethyl-N-cyanoéthylaniline / N-Etil-N-cianoetilanilina* $C_6H_5N(C_2H_5)C_2H_4CN$ $C_{11}H_{14}N_2$ M = 174,25 g/mol **1 L ≈ 1,03 kg** assay ... 96 % refractive index (n_D^{20}) ... 1,552 R: 23/24/25 S: 44 disposal: 6	FL. *2927*	100 ml	17,—	14,45	13,60	
63471	**2-Ethylcyclohexanol** mixture of *cis* and *trans* isomers PROSYNTH® *2-Ethylcyclohexanol / 2-Etilciclohexanol* $HOCHCH(C_2H_5)(CH_2)_3CH_2$ $C_8H_{16}O$ M = 128,21 g/mol **1 L ≈ 0,92 kg** assay (GC) ... 98 % boiling range (at 16 mbar) ... 74–78 °C refractive index (n_D^{20}) ... 1,465	FL. *2905*	50 ml	45,—	38,25*	36,—	
64230 A 3/4 C 8 1719 2	**N-Ethylcyclohexylamine** PROSYNTH® *N-Ethylcyclohexylamine / N-Etilciclohexilamina* $C_2H_5NHCH(CH_2)_4CH_2$ $C_8H_{17}N$ M = 127,23 g/mol **1 L ≈ 0,85 kg** assay (GC) ... 98 % boiling range ... 162–164 °C refractive index (n_D^{20}) ... 1,452	FL. *2922*	250 ml	27,75	23,60	22,20	
39296	**S-Ethyl-L-cysteine** BIOSYNTH® *S-Ethyl-L-cystéine / S-Etil-L-cisteína* $C_2H_5SCH_2CH(NH_2)COOH$ $C_5H_{11}NO_2S$ M = 149,21 g/mol	FL. *2931*	1 g	19,75	16,80	15,80	
64489 A 6.1/61H C 6.1 2810 3	**Ethyl 2,3-dibromopropionate** PROSYNTH® *Ethyle 2-3-dibromopropionate / Etilo 2,3-dibromopropionato* $CH_2BrCHBrCOOCH_2CH_3$ $C_5H_8Br_2O_2$ M = 259,93 g/mol **1 L ≈ 1,79 kg** assay (GC) ... 98 % boiling range ... 212–214 °C refractive index (n_D^{20}) ... 1,501 R: 20/21/22 S: 28 disposal: 7	FL. *2914*	100 ml	33,75	28,70	27,—	

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02 4 °C	**Ethyl diethoxyacetate** PROSYNTH® *Ethyle diéthoxyacétate / Etilo dietoxiacetato* $(C_2H_5O)_2CHCOOC_2H_5$ $C_8H_{16}O_4$ *M* = 176,21 g/mol **1 L ≈ 0,99 kg** assay (GC) ..... 98% boiling range ..... 197—199 °C refractive index (n_D^{20}) 1,411	FL. *2916*	100 ml	54,—	45,90	43,20	40,50
504 *4* 3 1993 2 3 °C	**Ethyl α,α-diethylacetoacetate** PROSYNTH® *Ethyle α-α-diéthylacétoacétate / Etilo α,α-dietilacetoacetato* $CH_3COC(C_2H_5)_2COOC_2H_5$ $C_{10}H_{18}O_3$ *M* = 186,25 g/mol **1 L ≈ 0,97 kg** assay (GC) ..... 95% boiling range (at 4 mbar) ..... 61—64 °C refractive index (n_D^{20}) 1,432	FL. *2916*	50 ml	37,50	31,90	30,—	28,15
303 /4 6 °C	**Ethyl 1,3-dithiane-2-carboxylate** PROSYNTH® *Ethyle dithiano-1-3-carboxylate-2 / Etilo 1,3-ditiano-2-carboxilato* $SCH_2CH_2CH_2SCHCOOCH_2CH_3$ $C_7H_{12}O_2S_2$ *M* = 192,30 g/mol **1 L ≈ 1,22 kg** assay (GC) ..... 99% boiling range (at 1,1 mbar) ..... 88—90 °C refractive index (n_D^{20}) 1,541	FL. *2935*	10 ml	96,50	82,05	77,20	72,40
279	**Ethyle β-alaninate hydrochloride** BIOSYNTH® *Ethyle β-alaninate chlorhydrate / Etilo β-alaninato clorhidrato* $NH_2CH_2CH_2COOCH_2CH_3 \cdot HCl$ $C_5H_{12}ClNO_2$ *M* = 153,61 g/mol	WG. *2923*	10 g	45,75	38,90	36,60	34,30
	Ethylene bromide see 1,2-Dibromoethane						
	Ethylene bromohydrin see 2-Bromoethanol						
402	**Ethylene carbonate** PROSYNTH® *Ethylène carbonate / Etileno carbonato* OCH_2CH_2OCO $C_3H_4O_3$ *M* = 88,06 g/mol assay (GC) ..... 99,5% congealing point ..... 36 °C	PF. *2921*	1 kg	32,75	27,85	26,20	25,20
	Ethylene chloride see 1,2-Dichloroethane						
	Ethylene chlorohydrin see 2-Chloroethanol						
	Ethylenecyanhydrine see 3-Hydroxypropionitrile						
	Ethylenediamine see 1,2-Diaminoethane						
7248	**Ethylenediaminetetraacetic acid** pure *Acide éthylènediaminotétraacétique / Acido etilendiaminotetraacético* $(HOOCCH_2)_2NCH_2CH_2N(CH_2COOH)_2$ $C_{10}H_{16}N_2O_8$ *M* = 292,25 g/mol assay ..... 98% iron (Fe) ..... 0,005% heavy metals (as Pb) ..... 0,005% chloride (Cl) ..... 0,005% sulphate (SO_4) 0,05%	PF. S. *2923*	1 kg 25 kg	43,50 kg	37,— 15,25	34,80	33,50
1072	**Ethylenediaminetetraacetic acid dipotassium salt dihydrate** PROSYNTH® *Acide éthylènediaminotétraacétique sel dipotassique dihydraté / Acido etilendiaminotetraacético sal dipotásica dihidrato* $HOOCCH_2(KOOCCH_2)NCH_2CH_2N(CH_2COOK)CH_2COOH \cdot 2H_2O$ $C_{10}H_{14}K_2N_2O_8 \cdot 2H_2O$ *M* = 404,46 g/mol assay 99%	WG. *2923*	100 g	21,75	18,50	17,40	16,30

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	(16
27285	**Ethylenediaminetetraacetic acid disodium salt dihydrate** chem. pure B. P. 1973, Ph. Nord. 1963 *Acide éthylènediaminotétraacétique sel disodique dihydrate / Acido etilendiaminotetraacético sal disódica dihidrato* $HOOCCH_2(NaOOCCH_2)NCH_2CH_2N(CH_2COONa)CH_2COOH \cdot 2H_2O$ $C_{10}H_{14}N_2Na_2O_8 \cdot 2H_2O$ $M = 372{,}24$ g/mol assay ..... 99% loss on drying (120 °C) ..... 8,5–10,0% pH (2%, 20 °C) ..... 4,0–5,0 melting range ..... 244–250 °C lead (Pb) ..... 0,001% iron (Fe) ..... 0,005% heavy metals (as Pb) ..... 0,002% chloride (Cl) ..... 0,01% cyanide (CN) ..... 0,001% sulphate (SO_4) 0,05%	PF. S. *2923*	1 kg 25 kg	55,50 price on request	47,20	44,40	
27270	**Ethylenediaminetetraacetic acid disodium salt dihydrate** pure *Acide éthylènediaminotétraacétique sel disodique dihydrate / Acido etilendiaminotetraacético sal disódica dihidrato* $HOOCCH_2(NaOOCCH_2)NCH_2CH_2N(CH_2COONa)CH_2COOH \cdot 2H_2O$ $C_{10}H_{14}N_2Na_2O_8 \cdot 2H_2O$ $M = 372{,}24$ g/mol assay ..... 97% iron (Fe) ..... 0,005% heavy metals (as Pb) ..... 0,005% chloride (Cl) ..... 0,01% sulphate (SO_4) 0,1%	PF. S. *2923*	1 kg 45 kg	45,– price on request	38,25	36,–	
	Ethylenediaminetetraacetic acid disodium salt see also IDRANAL® III						
	Ethylenediaminetetraacetic acid for complexometric titrations see IDRANAL® II						
	Ethylenediaminetetraacetic acid magnesium-dipotassium salt see IDRANAL® (Magnesium-IDRANAL®)						
27261	**Ethylenediaminetetraacetic acid tetrasodium salt** pure *Acide éthylènediaminotétraacétique sel tétrasodique / Acido etilendiaminotetraacético sal tetrasódica* $(NaOOCCH_2)_2NCH_2CH_2N(CH_2COONa)_2 \cdot nH_2O$ $C_{10}H_{12}N_2Na_4O_8 \cdot nH_2O$ M = (anhydrous) 380,17 g/mol assay of $C_{10}H_{12}N_2Na_4O_8$ ..... 80% water (according to Karl Fischer) ..... 5% iron (Fe) ..... 0,005% heavy metals (as Pb) ..... 0,005% chloride (Cl) ..... 0,005% sulphate (SO_4) 0,2%	WG. S. *2923*	1 kg 25 kg	55,50 price on request	47,20	44,40	
64073	**Ethylenediaminetetraacetic acid trisodium salt** PROSYNTH® *Acide éthylènediaminotétraacétique sel trisodique / Acido etilendiaminotetraacético sal trisódica* $(NaOOCCH_2)_2NCH_2CH_2N(CH_2COONa)CH_2COOH$ $C_{10}H_{13}N_2Na_3O_8$ $M = 358{,}19$ g/mol assay 95%	PF. *2923*	500 g	35,–	29,75	28,–	
	Ethylenediaminetetraacetic acid zinc-disodium salt see IDRANAL® (Zinc-IDRANAL®)						
	Ethylene dichloride see 1,2-Dichloroethane						
	Ethylenedimercaptan see Ethanedithiol-(1,2)						
	Ethylenedinitrilotetraacetic acid and salts see Ethylenediaminetetraacetic acid and salts						

Code-Number RID/ADR GGVE/GGVS IMDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
3068	**Ethylene glycol** R. G. *Ethylèneglycol / Etilenglicol* $HOCH_2CH_2OH$ $C_2H_6O_2$ $M = 62,07$ g/mol 1 L ≈ 1,11 kg assay (GC) ..... min. 99,5 % boiling range ..... 195–197 °C density (D_4^{20}) ..... 1,113–1,114 refractive index (n_D^{20}) ..... 1,4300–1,4330 water (according to Karl Fischer) ..... max. 0,1 % sulphated ash ..... max. 0,005 % free acid (as CH_3COOH) ..... max. 0,001 % iron (Fe) ..... max. 0,00002 % chloride (Cl) ..... max. 0,00002 % $KMnO_4$ red. matters (as O) ..... max. 0,0003 % reaction to sulphuric acid ..... passes test formaldehyde ..... max. 0,005 % R: 22 S: 2 disposal: 6		PF. FPF. 2904	1 L 30 kg	31,75 kg	27,– 9,25	24,75	23,50
24204	**Ethylene glycol** *Ethylèneglycol / Etilenglicol* $HOCH_2CH_2OH$ $C_2H_6O_2$ $M = 62,07$ g/mol 1 L ≈ 1,11 kg boiling range ..... 195–197 °C density (D_4^{20}) ..... 1,113–1,114 refractive index (n_D^{20}) ..... 1,4300–1,4330 R: 22 S: 2 disposal: 6		PF. PF. FPF. FPF. FPF. F. 2904	1 L 2,5 L 30 kg 5x 15x 220 kg	28,25 60,50 kg kg kg kg	24,– 50,20 5,80 5,30 5,– 4,70	22,60 47,20	21,75 45,40
09032	**Ethylene glycol-d_4** deuteration degree not less than 99 atom % D *Éthylèneglycol-d_4 / Etilenglicol-d_4* $HOCD_2CD_2OH$ $C_2H_2D_4O_2$ $M = 66,04$ g/mol 1 L ≈ 1,19 kg R: 22 S: 2 disposal: 6		A. 2851	1 ml	53,50	45,50	42,80	40,15
09033	**Ethylene glycol-d_6** deuteration degree not less than 99 atom % D *Éthylèneglycol-d_6 / Etilenglicol-d_6* $DOCD_2CD_2OD$ $C_2D_6O_2$ $M = 68,02$ g/mol 1 L ≈ 1,22 kg R: 22 S: 2 disposal: 6		A. 2851	1 ml	53,50	45,50	42,80	40,15
39600	**Ethylene glycol adipate** for gas chromatography *Ethylèneglycol adipate / Etilenglicol adipato* $[-OCH_2CH_2OCO(CH_2)_4CO-]_n$ $(C_8H_{12}O_4)_n$ $M = (172,18)_n$ g/mol working temperature ..... 100 to 210 °C		WG. 2915	25 g	99,–	84,15	79,20	74,25
39606 A 6.1/21A C 6.1 2810 1	**Ethylene glycol-bis-(2-cyanoethyl ether)** for gas chromatography *Ethylèneglycol-bis-(2-cynoéthyléther) / Etilenglicol bis-(2-cianoetileter)* $C_8H_{12}N_2O_2$ $M = 168,20$ g/mol 1 L ≈ 1,07 kg working temperature ..... to 150 °C		FL. 2927	25 ml	13,50	11,50	10,80	10,15
	Ethylene glycol-bis-(2-hydroxyethyl ether) see Triethylene glycol							
60437 A 3/4 +65 °C	**Ethylene glycol-*n*-butyl-*tert.*-butyl ether** PROSYNTH® *Ethylèneglycol-n-butyl-tert.-butyléther / Etilenglicol-n-butil-terc.-butileter* $C_4H_9OCH_2CH_2OC(CH_3)_3$ $C_{10}H_{22}O_2$ $M = 174,28$ g/mol 1 L ≈ 0,83 kg assay ..... 95 %		FL. 2908	500 ml	43,75	37,20	35,–	33,70

CHROMASOLV® solvents for chromatography

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	Ethylene glycol diethyl ether see 1,2-Diethoxyethane						
62044 A 3/4 +73 °C	**Ethylene glycol dimethacrylate** PROSYNTH® stabilized with hydroquinone (60 mg/l) *Ethylèneglycol diméthacrylate / Etilenglicol dimetacrilato* $CH_2=C(CH_3)COOCH_2CH_2OCO(CH_3)=CH_2$ $C_{10}H_{14}O_4$ M = 198,22 g/mol **1 L ≈ 1,05 kg** assay (GC) ..... 98 % refractive index (n_D^{20}) ..... 1,455 R: 36/37 disposal: 6	FL. *2914*	250 ml	41,50	35,30	33,20	31,1
	Ethylene glycol dimethylether see 1,2-Dimethoxyethane						
60436 A 3/3 C 3.3 1993 2 +36 °C	**Ethylene glycol ethyl-*tert.*-butyl ether** PROSYNTH® *Ethylèneglycol éthyl-tert.-butyléther / Etilenglicol etil-terc.-butileter* $C_2H_5OCH_2CH_2OC(CH_3)_3$ $C_8H_{18}O_2$ M = 146,23 g/mol **1 L ≈ 0,84 kg** assay ..... 95 % R: 10 disposal: 6	FL. *2908*	500 ml	price on request			
39634	**Ethylene glycol isophthalate** for gas chromatography *Ethylèneglycol isophtalate / Etilenglicol isoftalato* $(-OCH_2CH_2OCOC_6H_4CO-)_n$ $(C_{10}H_8O_4)_n$ M = $(192,17)_n$ g/mol working temperature ..... 100 to 225 °C	WG. *2915*	50 g	76,50	65,05	61,20	57,4
60435 A 3/3 C 3.2 1993 2 +22 °C	**Ethylene glycol methyl-*tert.*-butyl ether** PROSYNTH® *Ethylèneglycol méthyl-tert.-butyléther / Etilenglicol metil-terc.-butileter* $CH_3OCH_2CH_2OC(CH_3)_3$ $C_7H_{16}O_2$ M = 132,20 g/mol **1 L ≈ 0,84 kg** assay (GC) ..... 98 % R: 10 disposal: 6	FL. *2908*	500 ml	43,75	37,20	35,—	33,7
24215 A 3/4 C 3.3 1993 2 +61 °C	**Ethylene glycol monobutyl ether** *Ether monobutylique de l'éthylèneglycol / Eter monobutílico del etilenglicol* $CH_3(CH_2)_3OCH_2CH_2OH$ $C_6H_{14}O_2$ M = 118,18 g/mol **1 L ≈ 0,90 kg** boiling range ..... 169—171 °C density (D_4^{20}) ..... 0,901—0,903 refractive index (n_D^{20}) ..... 1,4190—1,4200 R: 37 S: 24/25 disposal: 6	FL. FL. EKL. *2908*	1 L 2,5 L 25 kg	15,— 31,50 price on request	12,75 26,15	12,— 24,55	11,5 23,6
24206 C 3.3 1171 3 +40 °C	**Ethylene glycol monoethyl ether** *Ether monoéthylique de l'éthylèneglycol / Eter monoetílico del etilenglicol* $CH_3CH_2OCH_2CH_2OH$ $C_4H_{10}O_2$ M = 90,12 g/mol **1 L ≈ 0,93 kg** R: 10-36 S: 24 disposal: 6	FL. FL. EKL. F. *2908*	1 L 2,5 L 30 kg 190 kg	19,25 40,50 price on request price on request	16,35 33,60	15,40 31,60	14,8 30,4

e-Number D/ADR GVE/GGVS DG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
457 3 1188 3 C	**Ethylene glycol monomethyl ether** R. G. *Ether monométhylique de l'éthylèneglycol / Eter monometílico del etilenglicol* $CH_2(OH)CH_2(OCH_3)$ $C_3H_8O_2$ $M = 76{,}10$ g/mol **1 L ≈ 0,96 kg** assay (GC) ..... min. 98% boiling range ..... 123–126 °C density (D_4^{20}) ..... 0,964–0,966 refractive index (n_D^{20}) ..... 1,4010–1,4030 non-volatile matter ..... max. 0,002% water (according to Karl Fischer) ..... max 0,2% R: 10-37 S: 24/25 disposal: 6	FL. FL. *2908*	1 L 2,5 L	22,75 47,75	19,35 39,65	18,20 37,25	17,50 35,80
936 .3 1188 3 C	**Ethylene glycol monomethyl ether** PURANAL® *Ether monométhylique de l'éthylèneglycol / Eter monometílico del etilenglicol* $CH_2(OH)CH_2(OCH_3)$ $C_3H_8O_2$ $M = 76{,}10$ g/mol **1 L ≈ 0,96 kg** assay (GC) ..... min. 99,5% boiling range ..... 123–126° density (D_4^{20}) ..... 0,964–0,966 refractive index (n_D^{20}) ..... 1,4010–1,4030 non-volatile matter ..... max. 10 ppm water (according to Karl Fischer) ..... max. 1000 ppm free acid (as H_2SO_4) ..... max. 50 ppm lead (Pb) ..... max. 0,05 ppm cadmium (Cd) ..... max. 0,05 ppm iron (Fe) ..... max. 0,1 ppm cobalt (Co) ..... max. 0,02 ppm copper (Cu) ..... max. 0,02 ppm magnesium (Mg) ..... max. 0,1 ppm manganese (Mn) ..... max. 0,02 ppm sodium (Na) ..... max. 0,5 ppm nickel (Ni) ..... max. 0,02 ppm zinc (Zn) ..... max. 0,1 ppm peroxides (as H_2O_2) ..... max. 3 ppm R: 10-37 S: 24/25 disposal: 6	FL. *2908*	1 L	price on request			
1234 3.3 1188 3 46 °C	**Ethylene glycol monomethyl ether** *Ether monométhylique de l'éthylèneglycol / Eter monometílico del etilenglicol* $CH_2(OH)CH_2(OCH_3)$ $C_3H_8O_2$ $M = 76{,}10$ g/mol **1 L ≈ 0,96 kg** assay (GC) ..... 98% boiling range ..... 123–126 °C density (D_4^{20}) ..... 0,964–0,966 refractive index (n_D^{20}) ..... 1,4010–1,4030 non-volatile matter ..... 0,002% water (according to Karl Fischer) ..... 0,2% R: 10-37 S: 24/25 disposal: 6	FL. FL. EKL. F. *2908*	1 L 2,5 L 30 kg 190 kg	17,25 36,— price on request price on request	14,65 29,90	13,80 28,10	13,30 27,—
9649	**Ethylene glycol sebacate** for gas chromatography *Ethylèneglycol sébacate / Etilenglicol sebacato* $[-OCH_2CH_2OCO(CH_2)_8CO-]_n$ $(C_{12}H_{20}O_4)_n$ $M = (228{,}29)_n$ g/mol working temperature ..... 90 to 200 °C	WG. *2915*	50 g	100,—	85,—	80,—	75,—
9612	**Ethylene glycol succinate** for gas chromatography *Ethylèneglycol succinate / Etilenglicol succinato* $[-OCH_2CH_2OCOCH_2CH_2CO-]_n$ $(C_6H_8O_4)_n$ $M = (144{,}13)_n$ g/mol working temperature ..... 100 to 200 °C	WG. *2915*	50 g	119,—	101,15	95,20	89,25
	Ethyleneiodohydrine see 2-Iodoethanol						

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62047 A 2/11CT C 2 1040	**Ethylene oxide** PROSYNTH® *Ethylène oxyde / Etileno óxido* package of 100 ml CH_2CH_2O C_2H_4O $M = 44{,}05$ g/mol **1 L ≈ 0,88 kg** assay (GC) ..... 99% boiling range ..... 11–13 °C keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	*2909*	1 pack	42,75	36,35	34,20	32
	Ethylene tetrachloride see Tetrachloroethylene						
63473	**N,N'-Ethylenethiourea** PROSYNTH® *N,N'-Ethylènethiourée / N,N'-Etilentiourea* $CH_2CH_2NHCSNH$ $C_3H_6N_2S$ $M = 102{,}16$ g/mol assay (ex N) ..... 97% melting range ..... 198–200 °C	WG. *2935*	250 g	38,50	32,75	30,80	28
	Ethylene trichloride see Trichloroethylene						
15076 A 6.1/21 C 6.1 2811 2	**N,N'-Ethyleneurea** *N-N'-Ethylèneuré / N,N'-Etilenurea* $NHCONHCH_2CH_2$ $C_3H_6N_2O$ $M = 86{,}09$ g/mol assay ..... 90% water 10%	PF. *2935*	500 g	22,50	19,15	18,–	17
	Ethylesternitrile see Ethyl *sec.*-butylcyanoacetate						
64386 A 6.1/21 C 6.1 2811 2	**Ethyl ethoxymethylenecyanoacetate** PROSYNTH® *Ethyle éthoxyméthylènecyanoacétate / Etilo etoximetilencianoacetato* $C_2H_5OCH=C(CN)COOC_2H_5$ $C_8H_{11}NO_3$ $M = 169{,}18$ g/mol **1 L ≈ 0,96 kg** assay (GC) ..... 97% melting range ..... 49–51 °C	WG. *2914*	25 g	25,75	21,90	20,60	19
63474 A 8/35 C 3.3 1993 2 +34 °C	**N-Ethylethylenediamine** PROSYNTH® *N-Ethyléthylènediamine / N-Etiletilenodiamina* $C_2H_5NHCH_2CH_2NH_2$ $C_4H_{12}N_2$ $M = 88{,}15$ g/mol **1 L ≈ 0,84 kg** assay (GC) ..... 95% boiling range ..... 128–131 °C refractive index (n_D^{20}) 1,439	FL. *2922*	5 ml	23,50	20,–	18,80	1
61289 A 6.1/61 B 6.1/61F C 3.3 1992 2 +31 °C	**Ethyl fluoroacetate** PROSYNTH® *Ethyle fluoroacétate / Etilo fluoroacetato* $FCH_2COOCH_2CH_3$ $C_4H_7FO_2$ $M = 106{,}10$ g/mol assay (GC) ..... 98% boiling range ..... 115–118 °C refractive index (n_D^{20}) ..... 1,377 R: 26/27/28 S: 1/2-13-45 disposal: 7	FL. *2914*	50 ml	38,25	32,50	30,60	2
61246 A 6.1/12 C 6.1 2810 2	**Ethyl 2-fluorobenzoate** PROSYNTH® *Ethyle 2-fluorobenzoate / Etilo 2-fluorobenzoato* $FC_6H_4COOC_2H_5$ $C_9H_9FO_2$ $M = 168{,}17$ g/mol **1 L ≈ 1,14 kg** assay (GC) ..... 97% boiling range ..... 217–220 °C refractive index (n_D^{20}) 1,491	FL. *2914*	100 ml	72,–	61,20	57,60	5
61247 A 6.1/12 C 6.1 2810 2	**Ethyl 3-fluorobenzoate** PROSYNTH® *Ethyle 3-fluorobenzoate / Etilo 3-fluorobenzoato* $FC_6H_4COOC_2H_5$ $C_9H_9FO_2$ $M = 168{,}17$ g/mol **1 L ≈ 1,13 kg** assay (GC) 98%	FL. *2914*	50 ml	223,–	189,55	178,40	16

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48 / 1/23 / 1 2810 2	**Ethyl 4-fluorobenzoate** PROSYNTH® *Ethyle 4-fluorobenzoate / Etilo 4-fluorobenzoato* $FC_6H_4COOCH_2CH_3$ $C_9H_9FO_2$ M = 168,17 g/mol **1 L ≈ 1,10 kg**	FL. 2914	100 ml	130,—	110,50	104,—	97,50
13	**Ethyl 4-fluorobenzoate** *Ethyle 4-fluorobenzoate / Etilo 4-fluorobenzoato* $FC_6H_4COOCH_2CH_3$ $C_9H_9FO_2$ M = 168,17 g/mol **1 L ≈ 1,10 kg**	2914					
	Ethyl 4-fluorophenyl ketone see 4-Fluoropropiophenone						
023 / 1A / 1 1190 2 / C	**Ethyl formate** PROSYNTH® *Ethyle formiate / Etilo formiato* $HCOOC_2H_5$ $C_3H_6O_2$ M = 74,08 g/mol **1 L ≈ 0,91 kg** assay ..... 97% boiling range ..... 52—54 °C refractive index (n_D^{20}) ..... 1,360 R: 11 S: 9-16-33 disposal: 6	FL. 2914	1 L	25,75	21,90	20,60	19,85
612	**Ethyl 2-furancarboxylate** PROSYNTH® *Ethyle furannecarboxylate-2 / Etilo 2-furancarboxilato* $C_4H_3O{-}COOC_2H_5$ $C_7H_8O_3$ M = 140,14 g/mol assay (GC) ..... 98% melting range ..... 32—34 °C	FL. 2935	100 g	39,75	33,80	31,80	29,80
011 / /4 / 5°C	**Ethyl 3-furancarboxylate** PROSYNTH® *Ethyle furannecarboxylate-3 / Etilo 3-furancarboxilato* $C_4H_3O{-}COOC_2H_5$ $C_7H_8O_3$ M = 140,14 g/mol **1 L ≈ 1,12 kg** assay (GC) ..... 98% boiling range (at 47 mbar) ..... 92—94 °C refractive index (n_D^{20}) 1,463	FL. 2935	5 ml	24,25	20,60	19,40	18,20
086	**Ethyl glycinate hydrochloride** BIOSYNTH® *Ethyle glycinate chlorhydrate / Etilo glicinato clorhidrato* $NH_2CH_2COOC_2H_5 \cdot HCl$ $C_4H_{10}ClNO_2$ M = 139,58 g/mol assay (ex N) ..... 99% melting range ..... 143—145 °C keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	PF. 2923	250 g	51,50	43,80	41,20	38,65
	Ethyl glycol see Ethylene glycol monoethyl ether						
978 / /4 / 3 1993 2	**Ethylglycol bromoacetate** *Ethylglycol bromoacétate / Etilglicol bromoacetato* $CH_3CH_2OCH_2CH_2OCOCH_2Br$ $C_6H_{11}BrO_3$ M = 211,06 g/mol **1 L ≈ 1,42 kg** assay ..... 98% boiling range (at 24 mbar) ..... 117—120 °C R: 20-36/37/38 disposal: 7	FL. 2914	1 L	price on request			
029 / .1/62 / .1 2810 3	**Ethylglycol tetrafluoroethyl ether** PROSYNTH® *Ethylglycol tétrafluoroéthyléther / Etilglicol tetrafluoroetiléter* $HCF_2CF_2OCH_2CH_2OC_2H_5$ $C_6H_{10}F_4O_2$ M = 190,14 g/mol **1 L ≈ 1,21 kg** assay ..... 98% R: 36/37/38 S: 26 disposal: 7	FL. 2908	100 ml	100,—	85,—	80,—	75,—
	Ethyl green see Brilliant green						

FIXANAL® preparations for standard solutions

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	
23225	**Ethyl guaiacol glycolate** *Ethyle gaïacolglycolate / Etilo guayacolglicolato* $C_6H_4(OCH_3)OCH_2COOC_2H_5$ $C_{11}H_{14}O_4$ $M = 210{,}23$ g/mol	FL. *2908*	100 ml	price on request			
60318	**Ethylguanidinium hydrochloride** PROSYNTH® *Ethylguanidine chlorhydrate / Etilguanidina clorhidrato* $C_2H_5NHC(=NH)NH_2 \cdot HCl$ $C_3H_{10}ClN_3$ $M = 123{,}59$ g/mol assay (ex Cl) ..... 99% melting range ..... 121–123 °C	WG. *2926*	100 g	47,50	40,40	38,–	
	Ethyl heptyl ketone see Decanone-(3)						
64620 A 3/3 C 3.3 1993 2 +53 °C	**Ethyl hexanoate** PROSYNTH® *Ethyle hexanoate / Etilo hexanoato* $CH_3(CH_2)_4COOC_2H_5$ $C_8H_{16}O_2$ $M = 144{,}21$ g/mol **1 L ≈ 0,87 kg** assay (GC) ..... 98% boiling range ..... 165–167 °C refractive index (n_D^{20}) 1,408	FL. *2914*	250 ml	31,50	26,80	25,20	
15061	**2-Ethylhexanoic acid** pure *Acide éthyl-2-hexanoïque / Acido 2-etilhexanóico* $CH_3(CH_2)_3CH(CH_2CH_3)COOH$ $C_8H_{16}O_2$ $M = 144{,}21$ g/mol **1 L ≈ 0,91 kg** assay 99%	PF. FPF. F. *2914*	1 L 50 kg 180 kg	17,25 price on request price on request	14,65	13,80	
60380 A 3/4 +84 °C	**2-Ethylhexanol** PROSYNTH® *2-Ethylhexanol / 2-Etilhexanol* $CH_3(CH_2)_3CH(C_2H_5)CH_2OH$ $C_8H_{18}O$ $M = 130{,}23$ g/mol **1 L ≈ 0,83 kg** assay (GC) ..... 99% boiling range ..... 183–186 °C refractive index (n_D^{20}) 1,431	FL. *2904*	1 L	15,75	13,40	12,60	
60462 A 8/35 C 8 2276 3 +50 °C	**2-Ethylhexylamine** PROSYNTH® *2-Ethylhexylamine / 2-Etilhexilamina* $CH_3(CH_2)_3CH(C_2H_5)CH_2NH_2$ $C_8H_{19}N$ $M = 129{,}24$ g/mol **1 L ≈ 0,79 kg** assay (GC) ..... 98% boiling range ..... 168–170 °C refractive index (n_D^{20}) 1,431	FL. *2922*	250 ml	18,–	15,30	14,40	
	Ethyl hexyl ketone see Nonanone-(3)						
63476	**Ethyl 3-hydroxybenzoate** PROSYNTH® *Ethyle 3-hydroxybenzoate / Etilo 3-hidroxibenzoato* $HOC_6H_4COOC_2H_5$ $C_9H_{10}O_3$ $M = 166{,}18$ g/mol assay (HPLC) ..... 99% melting range ..... 71–73 °C	WG. *2916*	25 g	29,50	25,10	23,60	
62049	**N-Ethyl-N-(2-hydroxyethyl)-p-phenylenediamine sulphate** PROSYNTH® *N-Ethyl-N-(2-hydroxyéthyl)-p-phénylènediamine sulfate / N-Etil-N-(2-hidroxietil)-p-fenilendiamina sulfato* $HOCH_2CH_2(C_2H_5)NC_6H_4NH_2 \cdot H_2SO_4$ $C_{10}H_{18}N_2O_5S$ $M = 278{,}33$ g/mol assay (ex S) ..... 99% melting range ..... 178–180 °C	WG. *2923*	100 g	28,–	23,80	22,40	
64239	**1-Ethylimidazole** PROSYNTH® *Ethyl-1-imidazole / 1-Etilimidazol* $CH=CHN=CHNC_2H_5$ $C_5H_8N_2$ $M = 96{,}13$ g/mol **1 L ≈ 0,99 kg** assay (GC) ..... 99% boiling range ..... 206–210 °C refractive index (n_D^{20}) 1,487	FL. *2935*	100 ml	44,50	37,85	35,60	
	Ethyl iodide see Iodoethane						

-Number ADR E/GGVS G-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
8	**Ethyl lactate** *Ethyle lactate / Etilo lactato* $CH_3CH(OH)COOC_2H_5$ $C_6H_{10}O_3$ *M* = 118,13 g/mol **1 L ≈ 1,04 kg** assay (GC) ..... 99% density (D_4^{20}) ..... 1,034–1,035 refractive index (n_D^{20}) ..... 1,4120–1,4130 non-volatile matter ..... 0,005% free lactic acid ..... 0,02% R: 10 S: 23 disposal: 6	FL. FL. FPF. *2916*	1 L 2,5 L 60 kg	21,50 45,25 price on request	18,30 37,55	17,20 35,30	16,55 33,95
58	**Ethyl levulinate** PROSYNTH® *Ethyle lévulate / Etilo levulinato* $CH_3COCH_2CH_2COOCH_2CH_3$ $C_7H_{12}O_3$ *M* = 144,17 g/mol **1 L ≈ 1,01 kg** assay (GC) ..... 99% boiling range ..... 203–205 °C refractive index (n_D^{20}) 1,422	FL. *2916*	100 ml	32,25	27,40	25,80	24,20
80	**N-Ethylmaleimide** PROSYNTH® *N-Ethylmaléimide / N-Etilmaleimida* $C_2H_5NCOCH=CHCO$ $C_6H_7NO_2$ *M* = 125,13 g/mol assay (ex N) ..... 97% melting range ..... 43–45 °C R: 23/24/25 S: 44 disposal: 20	WG. *2926*	5 g	37,25	31,65	29,80	27,95
278	**N-Ethylmaleimide** BIOSYNTH® *N-Ethylmaléimide / N-Etilmaleimida* $C_2H_5NCOCH=CHCO$ $C_6H_7NO_2$ *M* = 125,13 g/mol	WG. *2926*	5 g	40,–	34,–	32,–	30,–
357	**Ethylmalonic acid** PROSYNTH® *Acide éthylmalonique / Acido etilmalónico* $C_2H_5CH(COOH)_2$ $C_5H_8O_4$ *M* = 132,12 g/mol assay (alkalimetric) ..... 98% melting range ..... 110–112 °C	WG. *2915*	10 g	31,25	26,55	25,–	23,45
670	**Ethyl mandelate** PROSYNTH® *Ethyle mandélate / Etilo amigdalato* $C_6H_5CH(OH)COOCH_2CH_3$ $C_{10}H_{12}O_3$ *M* = 180,20 g/mol **1 L ≈ 1,13 kg** assay (GC) ..... 99% boiling range (at 20 mbar) ..... 139–141 °C refractive index (n_D^{20}) 1,513	FL. FL. *2916*	100 ml 250 ml	29,25 66,50	24,85 56,55	23,40 53,20	21,95 49,90
	Ethyl mercaptan see Ethanethiol						
?748 *3/1A* *3.3 2277 2*	**Ethyl methacrylate** PROSYNTH® stabilized with hydroquinone mono methylether (60 mg/l) *Ethyle méthacrylate / Etilo metacrilato* $CH_2=C(CH_3)COOC_2H_5$ $C_6H_{10}O_2$ *M* = 114,14 g/mol **1 L ≈ 0,91 kg** assay (GC) ..... 99% boiling range ..... 117–119 °C refractive index (n_D^{20}) ..... 1,417 R: 11-36/37/38 S: 9-16-29-33 disposal: 6	FL. *2914*	500 ml	20,50	17,45	16,40	15,80

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	9 (16 P
62756	**Ethyl methanesulphonate** PROSYNTH® *Ethyle méthanesulfonate / Etilo metanosulfonato* $CH_3SO_2OC_2H_5$ $C_3H_8O_3S$ $M = 124{,}16$ g/mol **1 L ≈ 1,21 kg** assay (GC) ..... 98 %	FL. *2903*	25 ml	81,50	69,30	65,20	61
39183	**Ethyl L-methioninate ethyl ester hydrochloride** BIOSYNTH® *Ethyle L-méthioninate chlorhydrate / Etilo L-metioninato clorhidrato* $CH_3SCH_2CH_2CH(NH_2)COOC_2H_5 \cdot HCl$ $C_7H_{16}ClNO_2S$ $M = 213{,}73$ g/mol	WG. *2931*	5 g	16,50	14,05	13,20	12
	Ethyl methyl ketone see Methyl ethyl ketone						
62050 C 3.3 1993 2 +32 °C	**N-Ethylmorpholine** PROSYNTH® *N-Ethylmorpholine / N-Etilmorfolina* $C_2H_5NCH_2CH_2OCH_2CH_2$ $C_6H_{13}NO$ $M = 115{,}17$ g/mol **1 L ≈ 0,91 kg** assay (GC) ..... 98 % boiling range ..... 137 – 139 °C refractive index (n_D^{20}) ..... 1,441 R: 10 disposal: 19	FL. *2935*	250 ml	23,50	20,—	18,80	17
63482	**2-Ethylnaphthalene** PROSYNTH® *2-Ethylnaphtalène / 2-Etilnaftaleno* $C_{10}H_7C_2H_5$ $C_{12}H_{12}$ $M = 156{,}23$ g/mol **1 L ≈ 0,99 kg** assay (GC) ..... 99 % boiling range ..... 249 – 252 °C refractive index (n_D^{20}) 1,599	FL. FL. *2901*	† 5 ml 100 ml	15,— 180,—	12,75 153,—	144,—	135
64355 A 6.1/21G C 6.1 * 1650 2	**N-Ethyl-1-naphthylamine** PROSYNTH® *N-Ethyl-1-naphtylamine / N-Etil-1-naftilamina* $C_2H_5NHC_{10}H_7$ $C_{12}H_{13}N$ $M = 171{,}24$ g/mol **1 L ≈ 1,06 kg** assay (GC) ..... 98 % boiling range (at 24 mbar) ..... 181 – 183 °C refractive index (n_D^{20}) ..... 1,644 R: 20/21/22-33 S: 22-36 disposal: 19	FL. *2922*	10 ml	24,—	20,40	19,20	1
60411	**N-Ethylnaphthylammonium-(1)-bromide** PROSYNTH® *N-Ethylnaphthylammonium-(1)-bromure / N-Etilnaftilamonio-(1)-bromuro* $C_{10}H_7NHC_2H_5 \cdot HBr$ $C_{12}H_{14}BrN$ $M = 252{,}15$ g/mol assay (HPLC) ..... 98 % melting range ..... 232 – 234 °C	WG. *2922*	100 g	107,50	91,40	86,—	8
62868	**Ethyl nicotinate** PROSYNTH® *Ethyle nicotinate / Etilo nicotinato* $CH=CHCH=NCH=CCOOC_2H_5$ $C_8H_9NO_2$ $M = 151{,}16$ g/mol **1 L ≈ 1,10 kg** assay (GC) ..... 99 % boiling range ..... 222 – 224 °C refractive index (n_D^{20}) 1,503	FL. *2935*	100 ml	24,—	20,40	19,20	1
62693	**Ethyl *iso*-nicotinate** PROSYNTH® *Ethyle iso-nicotinate / Etilo iso-nicotinato* $N=CHCH=C(COOC_2H_5)CH=CH$ $C_8H_9NO_2$ $M = 151{,}16$ g/mol **1 L ≈ 1,10 kg** assay (GC) ..... 98 % boiling range ..... 220 – 222 °C refractive index (n_D^{20}) 1,501	FL. *2935*	100 ml	34,50	29,35	27,60	2
	Ethyl nonanoate see Ethyl pelargonate						

de-Number ID/ADR GVE/GGVS MDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
902	**Ethyl orange** indicator *Orangé d'éthyle / Anaranjado de etilo* $HO_3SC_6H_4N=NC_6H_4N(C_2H_5)_2$ $C_{16}H_{19}N_3O_3S$ M = 333,41 g/mol	WG. *3205*	5 g	20,75	17,65	16,60	15,55
	Ethyl orthopropionate see Triethyl orthopropionate						
	Ethyl oxalate see Diethyl oxalate						
	Ethyl-3-oxophenylpropionate see Ethyl benzoylacetate						
767 3/4 34 °C	**Ethyl pelargonate** PROSYNTH® *Ethyle pélargonate / Etilo pelargonato* $CH_3(CH_2)_7COOC_2H_5$ $C_{11}H_{22}O_2$ M = 186,29 g/mol **1 L ≈ 0,86 kg** assay (GC) ..... 90 % boiling range (at 13 mbar) ..... 100—103 °C	FL. *2914*	100 ml	17,50	14,90	14,—	13,15
	α-Ethylpentamethylenimine see 2-Ethylpiperidine						
	Ethyl pentylcarbinol see Octanol-(3)						
	Ethyl pentyl ketone see Octanone-(3)						
1443 3/1A 3.2 1993 2 12 °C	**Ethyl perfluorobutyrate** PROSYNTH® *Ethyle perfluorobutyrate / Etilo perfluorobutirato* $CF_3CF_2CF_2COOC_2H_5$ $C_6H_5F_7O_2$ M = 242,09 g/mol **1 L ≈ 1,39 kg** assay (alkalimetric) ..... 98 % boiling range ..... 95—98 °C refractive index (n_D^{20}) ..... 1,304 R: 11 S: 9-16-33 disposal: 7	FL. *2914*	10 ml	35,50	30,20	28,40	26,65
61446 A 3/3 C 3.3 1993 2 +32 °C	**Ethyl perfluorocaprylate** PROSYNTH® *Ethyle perfluorocaprylate / Etilo perfluorocaprilato* $CF_3(CF_2)_6COOC_2H_5$ $C_{10}H_5F_{15}O_2$ M = 442,12 g/mol **1 L ≈ 1,62 kg** assay (GC) ..... 95 % R: 10 disposal: 7	FL. *2914*	5 ml	63,50	54,—	50,80	47,65
61034	**Ethyl perfluoroheptanoate** PROSYNTH® *Ethyle perfluoroheptanoate / Etilo perfluoroheptanoato* $CF_3(CF_2)_5COOC_2H_5$ $C_9H_5F_{13}O_2$ M = 392,12 g/mol **1 L ≈ 1,65 kg** assay (GC) ..... 97 % boiling range (at 19 mbar) ..... 73—75 °C refractive index (n_D^{20}) 1,311	FL. *2914*	25 ml	82,50	70,15	66,—	61,90
61037	**Ethyl perfluorononanoate** PROSYNTH® *Ethyle perfluorononanoate / Etilo perfluorononanoato* $CF_3(CF_2)_7COOC_2H_5$ $C_{11}H_5F_{17}O_2$ M = 492,13 g/mol **1 L ≈ 1,65 kg** assay (GC) ..... 97 % boiling range (at 19 mbar) ..... 73—75 °C refractive index (n_D^{20}) 1,311	FL. *2914*	25 ml	87,50	74,40	70,—	65,65
61451 A 3/3 C 3.3 1992 2 +51 °C	**Ethyl perfluoropropionate** PROSYNTH® *Ethyle perfluoropropionate / Etilo perfluoropropionato* $CF_3CF_2COOC_2H_5$ $C_5H_5F_5O_2$ M = 192,09 g/mol **1 L ≈ 1,31 kg** assay (GC) ..... 97 % boiling range ..... 74—76 °C refractive index (n_D^{20}) 1,301	FL. *2914*	10 ml	42,75	36,35	34,20	32,05

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96 (16 Bo
64242 A 6.1/22 A C 6.1 2810 2	**3-Ethylphenol** PROSYNTH® *Ethyl-3-phénol / 3-Etilfenol* $CH_3CH_2C_6H_4OH$ $C_8H_{10}O$ $M = 122{,}17$ g/mol **1 L ≈ 1,01 kg** assay (GC) ..... 95% boiling range (at 20 mbar) ..... 108–110 °C R: 20/21/22 S: 28 disposal: 6	FL. *2906*	**25 ml**	102,50	87,15	82,—	76
62051 A 6.1/13C C 6.1 2810 2	**4-Ethylphenol** PROSYNTH® *Ethyl-4-phénol / 4-Etilfenol* $C_2H_5C_6H_4OH$ $C_8H_{10}O$ $M = 122{,}17$ g/mol **1 L ≈ 0,98 kg** assay (GC) ..... 96% melting range ..... 40–42 °C R: 20/21/22 S: 28 disposal: 6	FL. *2906*	**100 g**	35,—	29,75	28,—	26
62970	**Ethyl phenylacetate** PROSYNTH® *Ethyle phénylacétate / Etilo fenilacetato* $C_6H_5CH_2COOC_2H_5$ $C_{10}H_{12}O_2$ $M = 164{,}20$ g/mol **1 L ≈ 1,03 kg** assay (GC) ..... 99% boiling range ..... 227–229 °C refractive index (n_D^{20}) 1,498	FL. *2914*	**250 ml**	20,50	17,45	16,40	15,
	Ethyl phenyl ether see Phenetole						
	Ethyl picolinate see Ethyl 2-pyridinecarboxylate						
60019 A 3/1A C 3.2 2386 2 +19 °C	**N-Ethylpiperidine** PROSYNTH® *N-Ethylpipéridine / N-Etilpiperidina* $C_2H_5N(CH_2)_4CH_2$ $C_7H_{15}N$ $M = 113{,}20$ g/mol **1 L ≈ 0,82 kg** assay (GC) ..... 99% boiling range ..... 129–131 °C refractive index (n_D^{20}) ..... 1,445 R: 11-23/24/25 S: 16-27-44 disposal: 19	FL. *2935*	**250 ml**	36,—	30,60	28,80	27
62052 A 3/1A C 3.3 1993 2 +17 °C	**2-Ethylpiperidine** PROSYNTH® *2-Ethylpipéridine / 2-Etilpiperidina* $HN(CH_2)_4CHC_2H_5$ $C_7H_{15}N$ $M = 113{,}20$ g/mol **1 L ≈ 0,87 kg** assay (GC) ..... 98% boiling range ..... 142–144 °C refractive index (n_D^{20}) ..... 1,449 R: 11-23/24/25 S: 16-27-44 disposal: 19	FL. *2935*	**100 ml**	20,75	17,65	16,60	15
64808 A 3/1A C 3.2 1993 2 +15 °C	**Ethyl pivalate** PROSYNTH® *Ethyle pivalate / Etilo pivalato* $(CH_3)_3CCOOCH_2CH_3$ $C_7H_{14}O_2$ $M = 130{,}19$ g/mol **1 L ≈ 0,86 kg** assay (GC) ..... 99% boiling range ..... 116–118 °C refractive index (n_D^{20}) ..... 1,391 R: 11 S: 9-16-33 disposal: 6	FL. *2914*	**100 ml**	22,—	18,70	17,60	16
65157 A 3/1A C 3.2 1195 2 +18 °C	**Ethyl propionate** PROSYNTH® *Ethyle propionate / Etilo propionato* $CH_3CH_2COOCH_2CH_3$ $C_5H_{10}O_2$ $M = 102{,}13$ g/mol **1 L ≈ 0,89 kg** assay (GC) ..... 99% boiling range ..... 97–99 °C refractive index (n_D^{20}) 1,384	FL. *2914*	**1 L**	35,50	30,20	28,40	27

refer explanations

de-Number / ID/ADR / GVE/GGVS / MDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	Ethylpropylcarbinol see 3-Hexanol						
479 /5 .2 1224 2 4 °C	**Ethyl *iso*-propyl ketone** PROSYNTH® *Ethyl-iso-propylcétone / Etil-iso-propilcetona* $(CH_3)_2CHCOC_2H_5$ $C_6H_{12}O$ $M = 100{,}16$ g/mol **1 L ≈ 0,81 kg** assay (GC) ..... 98 % boiling range ..... 114—115 °C refractive index (n_D^{20}) ..... 1,397 R: 11 S: 9-16-33 disposal: 6	FL. 2913	50 ml	57,50	48,90	46,—	43,15
	Ethyl propyl ketone see 3-Hexanone						
2053 3/3 3.3 1992 2 39 °C	**2-Ethylpyridine** PROSYNTH® *2-Ethylpyridine / 2-Etilpiridina* $N=C(C_2H_5)CH=CHCH=CH$ C_7H_9N $M = 107{,}15$ g/mol **1 L ≈ 0,93 kg** assay (GC) ..... 98 % boiling range ..... 148—150 °C refractive index (n_D^{20}) ..... 1,497 R: 10 disposal: 19	FL. 2935	100 ml	19,50	16,60	15,60	14,65
2054 3/3 3.3 1992 2 44 °C	**3-Ethylpyridine** PROSYNTH® *3-Ethylpyridine / 3-Etilpiridina* $N=CHC(C_2H_5)=CHCH=CH$ C_7H_9N $M = 107{,}15$ g/mol **1 L ≈ 0,94 kg** assay (GC) ..... 97 % boiling range ..... 163—165 °C refractive index (n_D^{20}) ..... 1,501 R: 10 disposal: 19	FL. 2935	100 ml	92,—	78,20	73,60	69,—
2055 3/3 3.3 1992 2 50 °C	**4-Ethylpyridine** PROSYNTH® *4-Ethylpyridine / 4-Etilpiridina* $N=CHCH=C(C_2H_5)CH=CH$ C_7H_9N $M = 107{,}15$ g/mol **1 L ≈ 0,94 kg** assay (GC) ..... 99 % boiling range ..... 166—168 °C refractive index (n_D^{20}) ..... 1,501 R: 10 disposal: 19	FL. 2935	100 ml	61,50	52,30	49,20	46,15
3036	**Ethyl 2-pyridinecarboxylate** PROSYNTH® *Ethyle 2-pyridinecarboxylate / Etilo 2-piridincarboxilato* $N=C(COOC_2H_5)CH=CHCH=CH$ $C_8H_9NO_2$ $M = 151{,}16$ g/mol **1 L ≈ 1,12 kg** assay (GC) ..... 99 % boiling range (at 15 mbar) ..... 120—122 °C refractive index (n_D^{20}) 1,510	FL. 2935	25 ml	45,25	38,45	36,20	33,95
	Ethyl 3-pyridinecarboxylate see Ethyl nicotinate						
	Ethyl 4-pyridinecarboxylate see Ethyl *iso*-nicotinate						
2159 3/3 3.3 1993 2 46 °C	**Ethyl pyruvate** PROSYNTH® *Ethyle pyruvate / Etilo piruvato* $CH_3COCOOC_2H_5$ $C_5H_8O_3$ $M = 116{,}12$ g/mol **1 L ≈ 1,06 kg** assay (GC) ..... 97 % R: 10 disposal: 6	FL. 2916	100 ml	29,50	25,10	23,60	22,15
3906	**Ethyl red** indicator (S. No. 923) *Rouge d' éthyle / Rojo de etilo* $(C_2H_5)_2NC_6H_4N=NC_6H_4COOH$ $C_{17}H_{19}N_3O_2$ $M = 297{,}36$ g/mol	WG. 3205	5 g	18,50	15,75	14,80	13,90

LUMILUX® phosphorescent and fluorescent pigments

Code-Number
A) RID/ADR
B) GGVE/GGVS
C) IMDG-CODE (GGVSee)

Type of package B.T.N.

Price per package DM | 1x | 6x (1 Box) | 24x (4 Boxes) | 96 (16 Box

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63483 **Ethyl salicylate** PROSYNTH®
Ethyle salicylate / Etilo salicilato
$HOC_6H_4COOC_2H_5$
$C_9H_{10}O_3$ $M = 166{,}18$ g/mol

assay (GC)	99%
boiling range	232—234 °C
refractive index (n_D^{20})	1,523

FL. *2916* | 250 ml | 25,50 | 21,70 | 20,40 | 19,

17931 **Ethyl silicate** PURANAL®
A 3/3
C 3.3 1292 2
+37 °C
Ethyle silicate / Etilo silicato
$Si(OC_2H_5)_4$
$C_8H_{20}O_4Si$ $M = 208{,}33$ g/mol — 1 L ≈ 0,93 kg

assay (GC)	min. 99,5%
density (D_4^{20})	0,9331—0,9334
water (according to Karl Fischer)	max. 50 ppm
sulphated ash	max. 10 ppm
lead (Pb)	max. 0,01 ppm
cadmium (Cd)	max. 0,01 ppm
iron (Fe)	max. 0,1 ppm
cobalt (Co)	max. 0,01 ppm
copper (Cu)	max. 0,01 ppm
magnesium (Mg)	max. 0,05 ppm
manganese (Mn)	max. 0,01 ppm
sodium (Na)	max. 0,1 ppm
nickel (Ni)	max. 0,01 ppm
zinc (Zn)	max. 0,01 ppm
ethanol (GC)	max. 1000 ppm

R: 10 disposal: 6

FL. *2934* | 1 L | price on request

27701 **Ethyl silicate**
A 3/3
C 3.3 1292 2
+37 °C
Ethyle silicate / Etilo silicato
$Si(OC_2H_5)_4$
$C_8H_{20}O_4Si$ $M = 208{,}33$ g/mol — 1 L ≈ 0,93 kg

assay	99%
boiling range	166—168 °C
refractive index	1,383

R: 10 disposal: 6

FL. *2921* | 500 ml | 23,75 | 20,20 | 19,— | 18
EKL. | 25 kg | price on request

64354 **Ethyl thiocyanate** PROSYNTH®
A 3/3
C 3.3 1992 2
+35 °C
Ethyle thiocyanate / Etilo tiocianato
C_2H_5SCN
C_3H_5NS $M = 87{,}14$ g/mol — 1 L ≈ 1,01 kg

assay	97%
boiling range	144—146 °C
refractive index (n_D^{20})	1,466

R: 20/21/22-32 S: 2-13
disposal: 8

FL. *2931* | 25 ml | 27,— | 22,95 | 21,60 | 20

64873 **Ethyl thioglycolate** PROSYNTH®
A 3/4
C 3.3 1993 2
+57 °C
Ethyle thioglycolate / Etilo tioglicolato
$HSCH_2COOC_2H_5$
$C_4H_8O_2S$ $M = 120{,}17$ g/mol — 1 L ≈ 1,10 kg

assay (GC)	98%
boiling range	156—159 °C
refractive index (n_D^{20})	1,457

FL. *2931* | 250 ml | 34,— | 28,90 | 27,20 | 25

64244 **2-Ethyltoluene** PROSYNTH®
A 3/3
C 3.2 1993 2
+27 °C
Ethyl-2-toluène / 2-Etiltolueno
$CH_3C_6H_4C_2H_5$
C_9H_{12} $M = 120{,}19$ g/mol — 1 L ≈ 0,88 kg

assay (GC)	98%
boiling range	164—166 °C
refractive index (n_D^{20})	1,505

R: 10 disposal: 6

FL. *2901* | 10 ml | 42,— | 35,70 | 33,60 | 3

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de-Number RID/ADR GGVE/GGVS MDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
245 /3 .3 1993 2 0 °C	**3-Ethyltoluene** PROSYNTH® *Ethyl-3-toluène / 3-Etiltolueno* $CH_3C_6H_4C_2H_5$ C_9H_{12} M = 120,19 g/mol **1 L ≈ 0,86 kg** assay (GC) ..... 98 % boiling range ..... 158–160 °C refractive index (n_D^{20}) ..... 1,498 R: 10 disposal: 6	FL. *2901*	10 ml	48,–	40,80	38,40	36,–
1246 3/3 3.3 1993 2 2 °C	**4-Ethyltoluene** PROSYNTH® *Ethyl-4-toluène / 4-Etiltolueno* $CH_3C_6H_4C_2H_5$ C_9H_{12} M = 120,19 g/mol **1 L ≈ 0,86 kg** assay (GC) ..... 98 % boiling range ..... 160–163 °C refractive index (n_D^{20}) ..... 1,495 R: 10 disposal: 6	FL. *2901*	10 ml	22,50	19,15	18,–	16,90
3106	**Ethyl-(4)-toluenesulphonate** PROSYNTH® *Ethyle toluènesulfonate-(4) / Etilo toluenosulfonato-(4)* $CH_3C_6H_4SO_2OC_2H_5$ $C_9H_{12}O_3S$ M = 200,26 g/mol assay (GC) ..... 98 % melting range ..... 29–32 °C	WG. *2903*	250 g	43,75	37,20	35,–	32,80
3485	**Ethyl 3-tolylacetate** PROSYNTH® *Ethyle 3-tolylacétate / Etilo 3-tolilacetato* $CH_3C_6H_4CH_2COOC_2H_5$ $C_{11}H_{14}O_2$ M = 178,23 g/mol **1 L ≈ 1,01 kg** assay (GC) ..... 90 % boiling range ..... 233–236 °C	FL. *2914*	5 ml	25,25	21,45	20,20	18,95
3123 6.1/61F 6.1 2810 3 3 °C	**Ethyl trichloroacetate** PROSYNTH® *Ethyle trichloroacétate / Etilo tricloroacetato* $Cl_3CCOOC_2H_5$ $C_4H_5Cl_3O_2$ M = 191,44 g/mol **1 L ≈ 1,39 kg** assay (GC) ..... 97 % boiling range ..... 168–170 °C refractive index (n_D^{20}) 1,450	FL. *2914*	100 ml	26,50	22,55	21,20	19,90
4247 8/23B 3.2•1183 2 22 °C	**Ethyltrichlorosilane** PROSYNTH® *Ethyltrichlorosilane / Etiltriclorosilano* $CH_3CH_2SiCl_3$ $C_2H_5Cl_3Si$ M = 163,51 g/mol **1 L ≈ 1,24 kg** assay (GC) ..... 98 % boiling range ..... 97–99 °C refractive index (n_D^{20}) ..... 1,426 R: 10-36/37/38 S: 28 disposal: 7	FL. *2934*	250 ml	65,–	55,25	52,–	48,75
	Ethyl tridecyl ketone see Hexadecanone-(3)						
1249 3/1A 3.2 1993 2 7 °C	**Ethyl trifluoroacetate** PROSYNTH® *Ethyle trifluoroacétate / Etilo trifluoroacetato* $CF_3COOC_2H_5$ $C_4H_5F_3O_2$ M = 142,08 g/mol **1 L ≈ 1,19 kg** assay (GC) ..... 98 % boiling range ..... 60–63 °C refractive index (n_D^{20}) ..... 1,308 R: 11-26/27/28 S: 7/9-29-45 disposal: 7	FL. FL. *2914*	100 ml 2,5 L	54,– 890,–	45,90 756,50	43,20 712,–	40,50 685,30

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96 (16 Bo
65149 A 3/3 C 3.3 1992 2 +29 °C	**Ethyl 4,4,4-trifluoroacetoacetate** PROSYNTH® *Ethyle 4-4-4-trifluoroacétoacétate / Etilo 4,4,4-trifluoroacetoacetato* $CF_3COCH_2COOCH_2CH_3$ $C_6H_7F_3O_3$ $M = 184{,}11$ g/mol **1 L ≈ 1,26 kg** assay (GC) ..... 93 % boiling range ..... 128–130 °C refractive index (n_D^{20}) ..... 1,376 R: 10-36/37/38 S: 28 disposal: 7	FL. *2916*	100 ml	481,–	408,85	384,80	360,
61397 A 6.1/13B C 6.1 2810 2	**Ethyl trifluoromethanesulphonate** PROSYNTH® *Ethyle trifluorométhanesulfonate / Etilo trifluorometan osulfonato* $CF_3SO_2OC_2H_5$ $C_3H_5F_3O_3S$ $M = 178{,}13$ g/mol **1 L ≈ 1,39 kg** assay (GC) ..... 99 % boiling range ..... 118–120 °C refractive index (n_D^{20}) 1,336	A. *2903*	5 ml	69,–	58,65	55,20	51,
61379 A 3/1A C 3.2 1993 2 +05 °C	**S-Ethyl trifluorothioacetate** PROSYNTH® *S-Ethyle trifluorothioacétate / S-Etilo trifluorotioacetato* $CF_3COSC_2H_5$ $C_4H_5F_3OS$ $M = 158{,}14$ g/mol **1 L ≈ 1,25 kg** assay (GC) ..... 98 % boiling range ..... 89–91 °C refractive index (n_D^{20}) ..... 1,377 R: 11 S: 9-16-33 disposal: 7	FL. *2931*	5 ml	34,–	28,90	27,20	25,
64248	**Ethyltriphenylphosphonium bromide** PROSYNTH® *Ethyltriphénylphosphonium bromure / Etiltrifenilfosfonio bromuro* $(C_6H_5)_3P(Br)C_2H_5$ $C_{20}H_{20}BrP$ $M = 371{,}26$ g/mol assay (ex Br) ..... 98 % melting range ..... 203–205 °C	PF. *2934*	100 g	57,–	48,45	45,60	42
62048	**N-Ethylurea** PROSYNTH® *N-Ethylurée / N-Etilurea* $C_2H_5NHCONH_2$ $C_3H_8N_2O$ $M = 88{,}11$ g/mol assay (ex N) ..... 98 % melting range ..... 91–94 °C	WG. *2925*	100 g	30,75	26,15	24,60	23
	Ethylurethane see Urethane						
64935 A 3/3 C 3.3 1993 2 +34 °C	**Ethyl valerate** PROSYNTH® *Ethyle valérate / Etilo valeriato* $CH_3(CH_2)_3COOCH_2CH_3$ $C_7H_{14}O_2$ $M = 130{,}19$ g/mol **1 L ≈ 0,87 kg** assay (GC) ..... 98 % boiling range ..... 142–145 °C refractive index (n_D^{20}) ..... 1,400 keep in refrigerator à stocker dans le refrigidaire almacenaje en la nevera R: 10 disposal: 6	FL. *2914*	250 ml	32,75	27,85	26,20	24
64936 A 3/3 C 3.3 1993 2 +28 °C	**Ethyl *iso*-valerate** PROSYNTH® *Ethyle iso-valérate / Etilo iso-valeriato* $(CH_3)_2CHCH_2COOC_2H_5$ $C_7H_{14}O_2$ $M = 130{,}19$ g/mol **1 L ≈ 0,86 kg** assay (GC) ..... 98 % boiling range ..... 132–134 °C refractive index (n_D^{20}) ..... 1,396 R: 10 disposal: 6	FL. *2914*	250 ml	32,75	27,85	26,20	24

de-Number RID/ADR GGVE/GGVS MDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
020	**Ethylvanillin** N. F. XIV *Ethylvanilline / Etilvainillina* $C_6H_3(OC_2H_5)(OH)(CHO)$ $C_9H_{10}O_3$ $M = 166{,}18$ g/mol assay ..... 99,5% melting range ..... 76—77 °C loss on drying (4 h on P_2O_5) ..... 0,1% sulphated ash 0,05%	BL. FTP. *2911*	1 kg 50 kg	price on request price on request			
1949 3/3 3.3 1993 3	**Eukitt®** quick-hardening mounting medium for microscopy 1 L ≈ 1.08 kg R: 10-20 S: 24/25 disposal: 6	FL. ALU. *3902*	100 ml 500 ml	20,75 58,50	17,65 49,75	16,60 46,80	15,55 45,05
0560	**Europium** lumps *Europium / Europio* Eu $M = 151{,}96$ g/mol assay 99%	WG. *2805*	1 g	185,—	157,25	148,—	138,75
0561 6.1 2811 3	**Europium fluoride** *Europium fluorure / Europio fluoruro* EuF_3 $M = 208{,}96$ g/mol assay 99%	FL. *2852*	1 g	116,—	98,60	92,80	87,—
0562 5.1 1477 2	**Europium nitrate-5-hydrate** *Europium nitrate-5-hydrate / Europio nitrato-5-hidrato* $Eu(NO_3)_3 \cdot 5H_2O$ $M = 428{,}05$ g/mol	FL. *2852*	1 g	44,75	38,05	35,80	33,55
0563	**Europium oxide** *Europium oxyde / Europio óxido* Eu_2O_3 $M = 351{,}92$ g/mol assay 99%	FL. *2852*	1 g	42,—	35,70	33,60	31,50
65008	**Farnesol** mixture of isomers PROSYNTH® *Farnésole / Farnesol* $C_{15}H_{26}O$ $M = 222{,}37$ g/mol 1 L ≈ 0,89 kg	FL. *2904*	10 ml	23,25	19,75	18,60	17,45
33202	**Fast blue salt B** *Sel de bleu solide B / Sal de azul sólido B* $C_{14}H_{12}Cl_2N_4O_2 \cdot ZnCl_2$ $M = 339{,}19 + 136{,}28$ g/mol	WG. *3205*	25 g	11,75	10,—	9,40	8,80
33216	**Fast garnet salt GBC** for microscopy *Sel de granet solide GBC / Sal de granado GBC* $C_{14}H_{14}N_4O_4S$ $M = 334{,}35$ g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	WG. *3205*	10 g	11,75	10,—	9,40	8,80
	Fast green see Malachite green						
33210	**Fast red salt B** R.G. *Sel de rouge solide B / Sal de rojo sólida B* $C_{17}H_{13}N_3O_9S_2$ $M = 467{,}44$ g/mol	WG. *3205*	50 g	28,75	24,45	23,—	21,55
32784	**Fat black** for microscopy *Graisse noire / Negro grasa*	WG. *3205*	50 g	24,—	20,40	19,20	18,—
32659	**Fat red bluish** for microscopy *Graisse rouge bleuâtre / Rojo grasa azulado* $C_6H_5N{=}NC_6H_4N{=}NC_{16}H_6NHC_2H_5$ $C_{24}H_{21}N_5$ $M = 379{,}46$ g/mol	WG. *3205*	50 g	36,25	30,80	29,—	27,20
36018	**Fehling's solution** for the determination of sugar Reag. Ph. Eur. I Solution I:Copper(II) sulphate solution *Solution de Fehling / Solución de Fehling* 1 L ≈ 1,04 kg	PF. PF. PF. *2838*	500 ml 1 L 2,5 L	10,50 17,25 36,—	8,95 14,65 29,90	8,40 13,80 28,10	8,10 13,30 27,—

PANPEHA® universal indicator paper in strips

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	9 (16 B
36019 A 8/32 C 8 1824 2	**Fehling's solution** for the determination of sugar, Reag. Ph. Eur. I Solution II:Potassium sodium tartrate solution alcaline *Solution de Fehling / Solución de Fehling* **1 L ≈ 1,24 kg** R: 35 S: 2-26-27-37/39 disposal: 3	PF. PF. PF. *3819*	500 ml 1 L 2,5 L	16,75 30,— 64,—	14,25 25,50 53,10	13,40 24,— 49,90	1 2 4
35853 A 6.1/83A1 C 9 1615 3	**Fenchlorphos** min. 99% PESTANAL® (O,O-Dimethyl-O-[2,4,5-trichlorophenyl]phosphoromonothioate) $(CH_3O)_2P(S)OC_6H_2Cl_3$ $C_8H_8Cl_3O_3PS$ *M* = 321,55 g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 20/21/22 S: 2-13 disposal: 7	FL. *2921*	1 g	71,50	60,80	57,20	5
35822 A 6.1/81A C 6.1 1615 3	**Fenitrothione** min. 99% PESTANAL® [0,0-Dimethyl-0-(3-methyl-4-nitrophenyl)-monophosphorothioate] $(CH_3O)_2P(S)OC_6H_3(CH_3)NO_2$ $C_9H_{12}NO_5PS$ *M* = 277,24 g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 20/21/22 S: 2-13 disposal: 7	FL. *2921*	2 g	71,50	60,80	57,20	5
35773 A 6.1/83 C 6.1 ./. 3	**Fenson** min. 99% PESTANAL® [Benzenesulphonic acid 4-chlorophenylester) $ClC_6H_4OS(O_2)C_6H_5$ $C_{12}H_9ClO_3S$ *M* = 268,72 g/mol R: 20/21/22 S: 2-13 disposal: 7	FL. *2921*	1 g	28,25	24,—	22,60	2
35729 A 6.1/81F2 C 6.1 1609 3	**Fentine acetate** min. 99% PESTANAL® (Triphenyltin acetate) $(C_6H_5)_3SnOOCCH_3$ $C_{20}H_{18}O_2Sn$ *M* = 409,05 g/mol R: 23/24/25 S: 2-13-44 disposal: 10	FL. *2934*	1 g	21,50	18,30	17,20	1
35883 A 6.1/81F2 C 6.1 1609 3	**Fentine chloride** min. 99% PESTANAL® (Triphenyltin chloride) $(C_6H_5)_3SnCl$ $C_{18}H_{15}ClSn$ *M* = 385,46 g/mol R: 23/24/25 S: 2-13-44 disposal: 10	FL. *2934*	1 g	21,50	18,30	17,20	1
35884 A 6.1/81F2 C 6.1 1609 3	**Fentine hydroxide** min. 99% PESTANAL® (Triphenyltin hydroxide) $(C_6H_5)_3SnOH$ $C_{18}H_{16}OSn$ *M* = 367,01 g/mol R: 23/24/25 S: 2-13-44 disposal: 10	FL. *2934*	1 g	21,50	18,30	17,20	1
35786	**Fenuron** min. 99% PESTANAL® (1,1-Dimethyl-3-phenyl urea) $C_6H_5NHCON(CH_3)_2$ $C_9H_{12}N_2O$ *M* = 164,21 g/mol	FL. *2925*	1 g	28,25	24,—	22,60	2

Fermentation amyl alcohol see Amyl alcohol

Ferric compounds see Iron(III) compounds

-Number /ADR /E/GGVS G-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
03	**Ferrocene** PROSYNTH® *Ferrocène / Ferroceno* CH=CHCH=CHCHFeCHCH=CHCH=CH $C_{10}H_{10}Fe$ M = 186,04 g/mol assay (ex Fe) ..... 98 % melting range ..... 172–174 °C	WG. *2934*	100 g	35,75	30,40	28,60	26,80
31	**Ferroin solution** redox indicator, Reag. Ph. Eur. I (phenanthroline + iron salt solution) E_0 in 1 M sulphuric acid + 1,06 volt *Solution de ferroïne / Solución de ferroina* **1 L ≈ 1,00 kg**	FL. *3819*	100 ml 500 ml	19,– 68,50	16,15 58,25	15,20 54,80	14,25 52,75
	Ferron see 7-Iodo-8-hydroxyquinoline-5-sulphonic acid						
	Ferrous compounds see Iron (II) compounds						
	Ferulic acid see 4-Hydroxy-3-methoxycinnamic acid						
627	**FFAP** for gas chromatography working temperature ..... 60 to 250 °C	WG. *3819*	25 g	259,–	220,15	207,20	194,25
	Filling apparatus for HPLC see HPLC						
	Filter dyes see Photographic dyes PINA®						
115 3 1142 2 3°C	**Fischer, reagent solution according to Karl Fischer** for titrimetric determination of water in one solution Iodine-sulphur dioxide-pyridine-solution (1 ml ≙ 5 mg H_2O) *Solution réactif de Karl Fischer / Solución reactívo según Karl Fischer* **1 L ≈ 1,15 kg** R: 11-20/21/22 S: 26-28 disposal: 6	FL. *3819*	1 L	44,75	38,05	35,80	34,45
116 /5 .2 1142 2 6°C	**Fischer, reagent solution according to Karl Fischer** for titrimetric determination of water in two separate solutions Solution A: Pyridine-sulphur dioxide-solution (0,5 ml each of solutions A and B mixed are equivalent to min. 3 mg H_2O) *Solution réactif de Karl Fischer / Solución reactívo según Karl Fischer* **1 L ≈ 1,01 kg** R: 11-20/21/22 S: 26-28 disposal: 6	FL. *3819*	1 L	38,75	32,95	31,–	29,85
117 3/5 .2 1142 2 °C	**Fischer, reagent solution according to Karl Fischer** for titrimetric determination of water in two separate solutions Solution B: Methanolic iodine solution (0,5 ml each of solutions A and B mixed are equivalent to min. 3 mg H_2O) *Solution réactif de Karl Fischer / Solución reactívo según Karl Fischer* **1 L ≈ 0,91 kg** R: 11-23/25 S: 2-7-16-24 disposal: 18	FL. *3819*	1 L	38,75	32,95	31,–	29,85
	FITC see Fluorescein-*iso*-thiocyanate						
	FIXANAL® see respective article, complete range see appendix						
355 2/10B2 3.3 1950 4°C	**TLC-Fixative** for thin-layer chromatography *Fixateur CCM / CCF-Agente fijador* spray-box of 330 ml R: 10	*3209*	1 pack	13,25	11,25	10,60	9,95
	Fixing salt see Sodium thiosulphate						

PEHANAL® universal indicator paper in rolls

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	9 (16 B
39357	**Flavin adenine dinucleotide disodium salt** BIOSYNTH® *Flavine adénine dinucléotide, sel disodique / Flavina adenina dinucleótido, sal disódica* package of 25 mg $C_{27}H_{31}N_9Na_2O_{15}P_2 \cdot 2H_2O$ *M* = 865,55 g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	*2935*	**1 pack**	16,50	14,05	13,20	12
39358	**Flavin mononucleotide sodium salt** BIOSYNTH® *Flavine mononucléotide, sel sodique / Flavina mononucleótido, sal sódica* $C_{17}H_{20}N_4NaO_9P \cdot 2H_2O$ *M* = 514,36 g/mol	WG. *2935*	**10 g**	27,25	23,15	21,80	20
	Flavour compounds on request						
39628	**Flexol 8 N 8** for gas chromatography working temperature ..... to 175 °C	FL. *2923*	**50 g**	47,50	40,40	38,—	35
31825	**Florisil®** for column chromatography 0,075—0,150 mm (100—200 mesh ASTM) *Florisil® / Florisil®* ® = trade mark of Floridin Company, USA	PF. PF. *2813*	**100 g** **1 kg**	21,— 165,—	17,85 140,25	16,80 132,—	15 127
31826	**Florisil®** for column chromatography 0,150—0,250 mm (60—100 mesh ASTM) *Florisil® / Florisil®* ® = trade mark of Floridin Company, USA	PF. PF. *2813*	**100 g** **1 kg**	21,— 165,—	17,85 140,25	16,80 132,—	15 127
31827	**Florisil®** for thin-layer chromatography *Florisil® / Florisil®* ® = trade mark of Floridin Company, USA	*2813*					
	Flowers of sulphur see Sulphur purified						
		PF.	**100 g**	43,50	37,—	34,80	32
35787	**Fluomethuron** min. 99% PESTANAL® [1,1-Dimethyl-3-(α,α,α-trifluor-m-tolyl)-urea] $F_3CC_6H_4NHCON(CH_3)_2$ $C_{10}H_{11}F_3N_2O$ *M* = 232,20 g/mol	FL. *2925*	**1 g**	28,25	24,—	22,60	21
63487	**Fluoranthene** PROSYNTH® *Fluoranthène / Fluoranteno* $C_{16}H_{10}$ *M* = 202,26 g/mol assay (UV) ..... 98% melting range ..... 109—111 °C log ε/289 ($CHCl_3$) ..... 4,67 melting range ..... 109—111 °C	WG. *2901*	**100 g**	34,50	29,35	27,60	25
62606 A 6.1/21G C 6.1 2811 2	**Fluorenamine-(2)** PROSYNTH® *Fluorénamine-(2) / Fluorenamina-(2)* $C_6H_4CH_2C_6H_3NH_2$ $C_{13}H_{11}N$ *M* = 181,24 g/mol assay ..... 97% melting range ..... 125—128 °C	WG. *2922*	**10 g**	88,50	75,25	70,80	66
62605	**Fluorene** PROSYNTH® *Fluorène / Fluoreno* $C_6H_4CH_2C_6H_4$ $C_{13}H_{10}$ *M* = 166,22 g/mol assay (GC) ..... 99% melting range ..... 113—115 °C	WG. *2901*	**100 g**	27,25	23,15	21,80	20
35730	**Fluorenol** min. 99% PESTANAL® (9-Hydroxy-fluorene-9-carboxylic acid) $C_{14}H_{10}O_3$ *M* = 226,23 g/mol	FL. *2916*	**1 g**	21,50	18,30	17,20	16

refer explanations

e-Number D/ADR GVE/GGVS DG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
97	**Fluorenol-methyl ester** min. 99% PESTANAL® (9-Hydroxy-fluorene-9-carboxylic acid methylester) $C_{16}H_{12}O_3$ $M = 240{,}26$ g/mol	FL. 2916	1 g	28,25	24,—	22,60	21,20
07	**Fluorenone-(9)** PROSYNTH® *Fluorénone-(9) / Fluorenona-(9)* $C_6H_4COC_6H_4$ $C_{13}H_8O$ $M = 180{,}21$ g/mol assay (GC) ..... 99% melting range ..... 81—83 °C	PF. 2913	100 g	24,75	21,05	19,80	18,55
	N-Fluorenyl-2-acetamide see 2-Acetamidofluorene						
615	**Fluorescein** R. G. *Fluorescéine / Fluoresceína* $C_{20}H_{12}O_5$ $M = 332{,}31$ g/mol	WG.	25 g	8,75	7,45	7,—	6,55
		WG.	100 g	20,25	17,20	16,20	15,20
		3205					
302	**Fluorescein** (C. I. No. 45350, S. No. 880) Erg. B. 6 *Fluorescéine / Fluoresceína* $C_{20}H_{12}O_5$ $M = 332{,}31$ g/mol	WG.	25 g	8,50	7,25	6,80	6,40
		WG.	100 g	20,—	17,—	16,—	15,—
		WG.	250 g	44,75	38,05	35,80	33,55
		3205					
	Fluorescein-bis-(methylimino diacetic acid) see Calcein						
218	**Fluorescein diacetate** for microscopy *Fluorescéine diacétate / Fluoresceína diacetato* $C_{24}H_{16}O_7$ $M = 416{,}39$ g/mol	WG. 3205	5 g	49,25	41,85	39,40	36,95
225 1/21 1 1602 3	**Fluorescein isothiocyanate** for microscopy (FITC) *Fluorescéine isothiocyanate (FITC) / Fluoresceína isotiocianato (FITC)* $C_{21}H_{11}NO_5S$ $M = 389{,}39$ g/mol	FL. 3205	1 g	86,—	73,10	68,80	64,50
303	**Fluorescein sodium** (C. I. No. 45350, S. No. 880) *Fluorescéine sodique / Fluoresceína sódica* $C_{20}H_{10}Na_2O_5$ $M = 376{,}28$ g/mol	WG.	100 g	18,75	15,95	15,—	14,05
		WG.	1 kg	142,—	120,70	113,60	109,35
		3205					
502	**Fluorescence indicator blue 366 nm** for thin-layer chromatography *Indicateur fluorescent bleu 366 nm / Indicador fluorescente azul 366 nm*	PF.	50 g	20,75	17,65	16,60	15,55
		PF.	500 g	156,—	132,60	124,80	120,10
		3207					
501	**Fluorescence indicator green 254 nm** for thin-layer chromatography *Indicateur fluorescent vert 254 nm / Indicador fluorescente verdoso 254 nm*	WG.	50 g	20,75	17,65	16,60	15,55
		WG.	500 g	156,—	132,60	124,80	120,10
		3207					
503	**Fluorescence indicator mixed green/blue 254/366 nm** for thin-layer chromatography *Indicateur fluorescent mixte vert/bleu 254/366 nm / Indicador fluorescente mixto verdoso/azul 254/366 nm*	WG.	50 g	20,75	17,65	16,60	15,55
		WG.	500 g	156,—	132,60	124,80	120,10
		3207					
	Fluorescence indicators for short and long-wave UV see LUMILUX®						
226 1/81G 1 2588 2	**Fluoroacetamide** PROSYNTH® *Fluoroacétamide / Fluoroacetamida* FCH_2CONH_2 C_2H_4FNO $M = 77{,}06$ g/mol assay (ex N) ..... 97% melting range ..... 103—105 °C R: 26/27/28 S: 1/2-20-22-26-45 disposal: 7	WG. 2925	10 g	13,—	11,05	10,40	9,75

PESTANAL® high purity pesticides, metabolites and solvents

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	5x (1 Box)	24x (4 Boxes)
61291 A 6.1/81G C 6.1 1615 3	**Fluoroacetic acid sodium salt PROSYNTH®** *Acide fluoroacétique sel sodique / Acido fluoroacético sal sódica* FCH_2COONa $C_2H_2FNaO_2$ $M = 100,02$ g/mol assay ..... 98 % melting range ..... 200 – 205 °C (disint.) R: 26 S: 1/2-20-22-26-45 disposal: 27	WG. 2914	25 g	30,75	26,15	24,60
61254 A 6.1/23B C 6.1 2810 2	**2-Fluoroacetophenone PROSYNTH®** *2-Fluoroacetophénone / 2-Fluoroacetofenona* $FC_6H_4COCH_3$ C_8H_7FO $M = 138,14$ g/mol 1 L ≈ 1,14 kg assay (GC) ..... 97 % boiling range (at 12 mbar) ..... 61 – 63 °C refractive index (n_D^{20}) 1,509	FL. 2913	25 ml	132,–	112,20	105,60
61256 A 6.1/23B C 6.1 2810 2	**4-Fluoroacetophenone PROSYNTH®** *4-Fluoroacétophénone / 4-Fluoroacetofenona* $FC_6H_4COCH_3$ C_8H_7FO $M = 138,14$ g/mol 1 L ≈ 1,14 kg assay (GC) ..... 98 % boiling range ..... 194 – 196 °C refractive index (n_D^{20}) 1,509	FL. EKS. F. 2913	100 ml 30 kg 200 kg	65,–	55,25 price on request price on request	52,–
61144 A 6.1/21D C 6.1 2810 2	**2-Fluoro-5-aminobenzotrifluoride PROSYNTH®** *2-Fluoro-5-aminobenzotrifluorure / 2-Fluoro-5-aminobenzotrifluoruro* $FC_6H_3(NH_2)CF_3$ $C_7H_5F_4N$ $M = 179,12$ g/mol 1 L ≈ 1,41 kg assay ..... 99 % boiling range (at 33 mbar) ..... 99 – 101 °C refractive index (n_D^{20}) ..... 1,466 R: 23/24/25 S: 44 disposal: 21	FL. 2922	10 g	13,25	11,25	10,60
61064 A 6.1/21E C 6.1 2810 2	**2-Fluoroaniline PROSYNTH®** *2-Fluoroaniline / 2-Fluoroanilina* $C_6H_4(NH_2)F$ C_6H_6FN $M = 111,12$ g/mol 1 L ≈ 1,15 kg assay (GC) ..... 97 % boiling range ..... 171 – 173 °C refractive index (n_D^{20}) ..... 1,544 R: 23/24/25-33 S: 28-36/37-44 disposal: 7	FL. 2922	100 ml	60,–	51,–	48,–
61065 A 6.1/21E C 6.1 2810 2	**3-Fluoroaniline PROSYNTH®** *3-Fluoroaniline / 3-Fluoroanilina* $C_6H_4(NH_2)F$ C_6H_6FN $M = 111,12$ g/mol 1 L ≈ 1,15 kg assay (GC) ..... 98 % boiling range (at 16 mbar) ..... 76 – 78 °C refractive index (n_D^{20}) ..... 1,543 R: 23/24/25-33 S: 28-36/37-44 disposal: 7	FL. FL. 2922	† 25 ml 100 ml	22,– 67,–	18,70 56,95	 53,60
61066 A 6.1/21E C 6.1 2810 2	**4-Fluoroaniline PROSYNTH®** *4-Fluoroaniline / 4-Fluoroanilina* $C_6H_4(NH_2)F$ C_6H_6FN $M = 111,12$ g/mol 1 L ≈ 1,16 kg assay ..... 97 % R: 23/24/25-33 S: 28-36/37-44 disposal: 7	FL. 2922	100 ml	30,–	25,50	24,–

Number ADR E/GGVS G CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
4 1993 2 C	**2-Fluoroanisole** PROSYNTH® *2-Fluoroanisole / 2-Fluoroanisol* $CH_3OC_6H_4F$ C_7H_7FO M = 126,13 g/mol **1 L ≈ 1,12 kg** assay (GC) ..... 96% boiling range ..... 151–154 °C refractive index (n_D^{20}) ..... 1,493 R: 10 disposal: 7	FL. *2908*	100 ml	191,–	162,35	152,80	143,25
95 1993 2 C	**3-Fluoroanisole** PROSYNTH® *3-Fluoroanisole / 3-Fluoroanisol* $CH_3OC_6H_4F$ C_7H_7FO M = 126,13 g/mol **1 L ≈ 1,12 kg** assay (GC) ..... 98% boiling range ..... 156–158 °C refractive index (n_D^{20}) ..... 1,488 R: 10 disposal: 7	FL. FL. *2908*	1 25 ml 100 ml	45,– 155,–	38,25 131,75	 124,–	 116,25
06 1993 2 C	**4-Fluoroanisole** PROSYNTH® *4-Fluoroanisole / 4-Fluoroanisol* $CH_3OC_6H_4F$ C_7H_7FO M = 126,13 g/mol **1 L ≈ 1,12 kg** assay (GC) ..... 97% boiling range ..... 153–155 °C refractive index (n_D^{20}) ..... 1,488 R: 10 disposal: 7	FL. *2908*	100 ml	82,–	69,70	65,60	61,50
67 */62* 2810 2	**4-Fluorobenzal chloride** PROSYNTH® *4-Fluorobenzale chlorure / 4-Fluorobenzalo cloruro* $FC_6H_4CHCl_2$ $C_7H_5Cl_2F$ M = 179,02 g/mol assay (GC) 98%	FL. *2902*	25 ml	77,50	65,90	62,–	58,15
68 */23* 2810 2	**2-Fluorobenzaldehyde** PROSYNTH® *2-Fluorobenzaldéhyde / 2-Fluorobenzaldehido* FC_6H_4CHO C_7H_5FO M = 124,11 g/mol **1 L ≈ 1,19 kg** assay (GC) ..... 99% boiling range (at 15 mbar) ..... 60–63 °C refractive index (n_D^{20}) 1,523	FL. STPB *2912*	100 ml 30 kg	120,– price on request	102,–	96,–	90,–
69 */23* 2810 2	**3-Fluorobenzaldehyde** PROSYNTH® *3-Fluorobenzaldéhyde / 3-Fluorobenzaldehido* FC_6H_4CHO C_7H_5FO M = 124,11 g/mol **1 L ≈ 1,18 kg** assay (GC) ..... 97% boiling range (at 27 mbar) ..... 66–68 °C refractive index (n_D^{20}) 1,519	FL. *2912*	100 ml	130,–	110,50	104,–	97,50
70 */23* 2810 2	**4-Fluorobenzaldehyde** PROSYNTH® *4-Fluorobenzaldéhyde / 4-Fluorobenzaldehido* FC_6H_4CHO C_7H_5FO M = 124,11 g/mol **1 L ≈ 1,18 kg** assay (GC) ..... 99% boiling range (at 13 mbar) ..... 70–72 °C refractive index (n_D^{20}) 1,521	FL. STPB *2912*	100 ml 30 kg	50,– price on request	42,50	40,–	37,50
71	**2-Fluorobenzamide** PROSYNTH® *2-Fluorobenzamide / 2-Fluorobenzamida* $FC_6H_4CONH_2$ C_7H_6FNO M = 139,13 g/mol assay (ex N) ..... 99% melting range ..... 113–115 °C	WG. *2925*	100 g	95,–	80,75	76,–	71,25

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61272	**3-Fluorobenzamide** PROSYNTH® *3-Fluorobenzamide / 3-Fluorobenzamida* $FC_6H_4CONH_2$ C_7H_6FNO $M = 139,13$ g/mol assay (ex N) ..... 99% melting range ..... 127–130 °C	WG. *2925*	10 g	64,–	54,40	51,20	48
61273	**4-Fluorobenzamide** PROSYNTH® *4-Fluorobenzamide / 4-Fluorobenzamida* $FC_6H_4CONH_2$ C_7H_6FNO $M = 139,13$ g/mol assay (ex N) ..... 99% melting range ..... 154–156 °C	WG. *2925*	100 g	80,–	68,–	64,–	6
61491	**4-Fluorobenzanilide** PROSYNTH® *Fluorobenzanilide-4 / 4-Fluorobenzanilida* $FC_6H_4CONHC_6H_5$ $C_{13}H_{10}FNO$ $M = 215,23$ g/mol assay (HPCL) ..... 97% melting range ..... 183–185 °C	PF. *2925*	100 g	120,–	102,–	96,–	9
61044 A 3/1A C 3.2 2387 2 -15 °C	**Fluorobenzene** PROSYNTH® *Fluorobenzène / Fluorobenceno* C_6H_5F $M = 96,10$ g/mol **1 L ≈ 1,03 kg** R: 11-20 S: 7-16-29-33 disposal: 7	FL. *2902*	250 ml	22,–	18,70	17,60	1
01801 A 3/1A C 3.2 2387 2 -15 °C	**Fluorobenzene** *Fluorobenzène / Fluorobenceno* C_6H_5F $M = 96,10$ g/mol **1 L ≈ 1,03 kg** R: 11-20 S: 7-16-29-33 disposal: 7	EKS. F. *2902*	40 kg 200 kg	price on request price on request			
61378	**4-Fluorobenzenesulphonamide** PROSYNTH® *4-Fluorobenzènesulfonamide / 4-Flurobencenosulfonamida* $FC_6H_4SO_2NH_2$ $C_6H_6FNO_2S$ $M = 175,18$ g/mol assay (GC) ..... 98% melting range ..... 117–119 °C	PF. *2936*	100 g	130,–	110,50	104,–	9
61274 A 8/22 C 8 1759 2	**4-Fluorobenzenesulphonyl chloride** PROSYNTH® *4-Fluorobenzène sulfonylchlorure / 4-Fluorobenceno sulfonilcloruro* $FC_6H_4SO_2Cl$ $C_6H_4ClFO_2S$ $M = 194,61$ g/mol assay (GC) ..... 98% melting range ..... 29–31 °C R: 36/37/38 S: 26 disposal: 21	FL. STPB *2903*	100 g 30 kg	120,– price on request	102,–	96,–	9
01808	**2-Fluorobenzoic acid** *Acide 2-fluorobenzoïque / Acido 2-fluorobenzóico* FC_6H_4COOH $C_7H_5FO_2$ $M = 140,11$ g/mol	FTP. *2914*	25 kg	price on request			
61207	**2-Fluorobenzoic acid** PROSYNTH® *Acide 2-fluorobenzoïque / Acido 2-fluorobenzóico* FC_6H_4COOH $C_7H_5FO_2$ $M = 140,11$ g/mol	PF. *2914*	100 g	55,–	46,75	44,–	4
61208	**3-Fluorobenzoic acid** PROSYNTH® *Acide 3-fluorobenzoïque / Acido 3-fluorobenzóico* FC_6H_4COOH $C_7H_5FO_2$ $M = 140,11$ g/mol assay (alkalimetric) ..... 98% melting range ..... 120–122 °C	PF. PF. *2914*	† 25 g 100 g	26,50 90,–	22,55 76,50	72,–	

e-Number D/ADR GVE/GGVS MDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
265	**4-Fluorobenzoic acid** test substance for elementary analysis *Acide 4-fluorobenzoique / Acido 4-fluorobenzóico* FC_6H_4COOH $C_7H_5FO_2$ $M = 140{,}11$ g/mol suitable for determination of C, H, F, O carbon (C) ..... 60,0% hydrogen (H) ..... 3,6% fluor (F) ..... 13,6% oxygen (O) 22,8%	WG. *2914*	1 kg	price on request			
275	**4-Fluorobenzoic acid** PROSYNTH® *Acide 4-fluorobenzoïque / Acido 4-fluorobenzóico* FC_6H_4COOH $C_7H_5FO_2$ $M = 140{,}11$ g/mol	PF. *2914*	100 g	50,—	42,50	40,—	37,50
1809	**4-Fluorobenzoic acid** *Acide 4-fluorobenzoïque / Acido 4-fluorobenzóico* FC_6H_4COOH $C_7H_5FO_2$ $M = 140{,}11$ g/mol	FTP. *2914*	25 kg	price on request			
	2-Fluorobenzoic acid chloride see 2-Fluorobenzoyl chloride						
	3-Fluorobenzoic acid chloride see 3-Fluorobenzoyl chloride						
	4-Fluorobenzoic acid chloride see 4-Fluorobenzoyl chloride						
1276 6.1/21 6.1 1935 1	**2-Fluorobenzonitrile** PROSYNTH® *2-Fluorobenzonitrile / 2-Fluorobenzonitrilo* FC_6H_4CN C_7H_4FN $M = 121{,}11$ g/mol **1 L ≈ 1,14 kg** assay (GC) ..... 98% boiling range (at 40 mbar) ..... 94—96 °C R: 23/24/25 S: 44 disposal: 15	FL. *2927*	100 g	130,—	110,50	104,—	97,50
1277 6.1/21 6.1 1935 1	**3-Fluorobenzonitrile** PROSYNTH® *3-Fluorobenzonitrile / 3-Fluorobenzonitrilo* FC_6H_4CN C_7H_4FN $M = 121{,}11$ g/mol assay (GC) ..... 98% R: 23/24/25 S: 44 disposal: 15	FL. *2927*	25 g	238,—	202,30	190,40	178,50
61278 A 6.1/21 C 6.1 1935 1	**4-Fluorobenzonitrile** PROSYNTH® *4-Fluorobenzonitrile / 4-Fluorobenzonitrilo* FC_6H_4CN C_7H_4FN $M = 121{,}12$ g/mol **1 L ≈ 1,14 kg** assay (GC) ..... 99% melting range ..... 32—34 °C R: 23/24/25 S: 44 disposal: 15	FL. STPB. *2927*	100 g 30 kg	120,— price on request	102,—	96,—	90,—
61279 A 6.1/23B C 6.1 * 1697 2	**2-Fluorobenzophenone** PROSYNTH® *2-Fluorobenzophénone / 2-Fluorobenzofenona* $FC_6H_4COC_6H_5$ $C_{13}H_9FO$ $M = 200{,}21$ g/mol **1 L ≈ 1,20 kg** assay (GC) ..... 98% boiling range (at 16 mbar) ..... 148—150 °C	FL. FL. *2913*	† 10 g 100 g	20,— 150,—	17,— 127,50	120,—	112,50
61280 A 6.1/23B C 6.1 * 1697 2	**4-Fluorobenzophenone** PROSYNTH® *4-Fluorobenzophénone / 4-Fluorobenzofenona* $FC_6H_4COC_6H_5$ $C_{13}H_9FO$ $M = 200{,}21$ g/mol **1 L ≈ 1,20 kg** assay (GC) ..... 99% melting range ..... 45—47 °C	FL. BLTP. *2913*	100 g 50 kg	95,— price on request	80,75	76,—	71,25

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61074 A 3/1A C 3.2 1993 2 +12 °C	**3-Fluorobenzotrifluoride** PROSYNTH® *3-Fluorobenzotrifluorure / 3-Fluorobenzotrifluoruro* $FC_6H_4CF_3$ $C_7H_4F_4$ M = 164,10 g/mol **1 L ≈ 1,30 kg** assay (GC) ..... 99% boiling range ..... 99–101 °C refractive index (n_D^{25}) ..... 1,398 R: 11 S: 16-23 disposal: 7	FL. *2902*	25 ml	57,–	48,45	45,60	42
61209 A 8/22 C 8 1760 2	**2-Fluorobenzoyl chloride** PROSYNTH® *2-Fluorobenzoyle chlorure / 2-Fluorobenzoilo cloruro* FC_6H_4COCl C_7H_4ClFO M = 158,56 g/mol **1 L ≈ 1,33 kg** assay (ex Cl) ..... 99% boiling range (at 20 mbar) ..... 90–92 °C refractive index (n_D^{20}) ..... 1,536 R: 34 S: 26 disposal: 21	FL. STPB. *2914*	100 ml 30 kg	100,–	85,– price on request	80,–	75
61281 A 8/22 C 8 1760 2	**3-Fluorobenzoyl chloride** PROSYNTH® *3-Fluorobenzoyle chlorure / 3-Fluorobenzoilo cloruro* FC_6H_4COCl C_7H_4ClFO M = 158,56 g/mol **1 L ≈ 1,32 kg** assay (ex Cl) ..... 98% boiling range ..... 187–190 °C refractive index (n_D^{20}) ..... 1,529 R: 34 S: 26 disposal: 21	FL. *2914*	25 ml	50,–	42,50	40,–	37
61210 A 8/22 C 8 1760 2	**4-Fluorobenzoyl chloride** PROSYNTH® *4-Fluorobenzoyle chlorure / 4-Fluorobenzoilo cloruro* FC_6H_4COCl C_7H_4ClFO M = 158,56 g/mol **1 L ≈ 1,32 kg** assay (ex Cl) ..... 99% boiling range (at 27 mbar) ..... 80–82 °C R: 34 S: 26 disposal: 21	FL. *2914*	100 ml	95,–	80,75	76,–	71
61511	**3-(4-Fluorobenzoyl)-propionic acid** PROSYNTH® *Acide 3-(4-fluorobenzoyle)-propionique / Acido 3-(4-fluorobenzoilo)-propiónico* $FC_6H_4COCH_2CH_2COOH$ $C_{10}H_9FO_3$ M = 196,18 g/mol assay (HPLC) ..... 99% melting range ..... 100–102 °C	WG. *2914*	100 g	80,–	68,–	64,–	60
61415	**2-Fluorobenzyl alcohol** PROSYNTH® *Alcool 2-fluorobenzylique / Alcohol 2-fluorobencílico* $FC_6H_4CH_2OH$ C_7H_7FO M = 126,13 g/mol **1 L ≈ 1,19 kg** assay (GC) ..... 98% boiling range (at 27 mbar) ..... 97–101 °C refractive index (n_D^{20}) 1,514	FL. *2905*	50 ml	150,–	127,50	120,–	112
61421	**3-Fluorobenzyl alcohol** PROSYNTH® *Alcool 3-fluorobenzylique / Alcohol 3-fluorobencílico* $FC_6H_4CH_2OH$ C_7H_7FO M = 126,13 g/mol **1 L ≈ 1,19 kg** assay (GC) ..... 97% boiling range ..... 204–207 °C refractive index (n_D^{20}) 1,513	FL. *2905*	50 ml	150,–	127,50	120,–	112

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e-Number D/ADR GVE/GGVS DG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
181 *4* *0 °C*	**4-Fluorobenzyl alcohol** PROSYNTH® *Alcohol 4-fluorobenzylique / Alcohol 4-fluorobencílico* $FC_6H_4CH_2OH$ C_7H_7FO *M* = 126,13 g/mol **1 L ≈ 1,17 kg** assay (GC) ..... 98% boiling range (at 9 mbar) ..... 79–81 °C refractive index (n_D^{20}) 1,510	FL. *2905*	100 ml	125,–	106,25	100,–	93,75
162 */35* *1719 2*	**2-Fluorobenzylamine** PROSYNTH® *2-Fluorobenzylamine / 2-Fluorobencilamina* $FC_6H_4CH_2NH_2$ C_7H_8FN *M* = 125,15 g/mol **1 L ≈ 1,08 kg** assay (GC) ..... 98% boiling range (at 17 mbar) ..... 73–75 °C refractive index (n_D^{20}) 1,517	FL. *2922*	100 ml	383,–	325,55	306,40	287,25
1163 *8/35* *8 1719 2*	**4-Fluorobenzylamine** PROSYNTH® *4-Fluorobenzylamine / 4-Fluorbencilamina* $FC_6H_4CH_2NH_2$ C_7H_8FN *M* = 125,15 g/mol **1 L ≈ 1,10 kg** assay (GC) ..... 96% boiling range ..... 181–183 °C refractive index (n_D^{20}) 1,512	FL. *2922*	100 ml	150,–	127,50	120,–	112,50
1507 *8/22* *8 1760 2*	**2-Fluorobenzyl bromide** PROSYNTH® *2-Fluorobenzyle bromure / 2-Fluorobencilo bromuro* $FC_6H_4CH_2Br$ C_7H_6BrF *M* = 189,03 g/mol **1 L ≈ 1,57 kg** assay (GC) ..... 98% boiling range (at 20 mbar) ..... 62–64 °C	FL. *2902*	100 ml	180,–	153,–	144,–	135,–
1508 *8/22* *8 1760 2* *-61 °C*	**3-Fluorobenzyl bromide** PROSYNTH® *3-Fluorobenzyle bromure / 3-Fluorobencilo bromuro* $FC_6H_4CH_2Br$ C_7H_6BrF *M* = 189,03 g/mol **1 L ≈ 1,51 kg** assay (GC) ..... 97% boiling range (at 29 mbar) ..... 87–89 °C refractive index (n_D^{20}) 1,547	FL. *2902*	50 ml	150,–	127,50	120,–	112,50
61422 *8/22* *8 1760 2*	**4-Fluorobenzyl bromide** PROSYNTH® *4-Fluorobenzyle bromure / 4-Fluorobencilo bromuro* $FC_6H_4CH_2Br$ C_7H_6BrF *M* = 189,03 g/mol **1 L ≈ 1,55 kg** assay (GC) ..... 98% boiling range (at 27 mbar) ..... 83–85 °C refractive index (n_D^{20}) 1,547	FL. *2902*	100 ml	180,–	153,–	144,–	135,–
61282 *A 6.1/61K* *C 8 *1738 2*	**2-Fluorobenzyl chloride** PROSYNTH® *2-Fluorobenzyle chlorure / 2-Fluorobencilo cloruro* $FC_6H_4CH_2Cl$ C_7H_6ClF *M* = 144,58 g/mol **1 L ≈ 1,22 kg** assay (GC) ..... 97% boiling range (at 52 mbar) ..... 84–86 °C refractive index (n_D^{20}) ..... 1,514 R: 36/37/38 S: 26 disposal: 21	FL. STPB. *2902*	50 ml 35 kg	75,– price on request	63,75	60,–	56,25
61423 *A 6.1/61K* *C 8 1760 2*	**3-Fluorobenzyl chloride** PROSYNTH® *3-Fluorobenzyle chlorure / 3-Fluorobencilo cloruro* $FC_6H_4CH_2Cl$ C_7H_6ClF *M* = 144,58 g/mol **1 L ≈ 1,21 kg** assay (GC) ..... 97% boiling range (at 31 mbar) ..... 70–72 °C refractive index (n_D^{20}) ..... 1,511 R: 36/37/38 S: 26 disposal: 21	FL. *2902*	50 ml	95,–	80,70	76,–	71,25

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61283 A 6.1/61K C 8 *1738 2	**4-Fluorobenzyl chloride** PROSYNTH® *4-Fluorobenzyle chlorure / 4-Fluorobencilo cloruro* $FC_6H_4CH_2Cl$ C_7H_6ClF $M = 144{,}58$ g/mol **1 L ≈ 1,22 kg** assay (GC) ..... 97% boiling range (at 35 mbar) ..... 80–82 °C refractive index (n_D^{20}) ..... 1,513 R: 36/37/38 S: 26 disposal: 21	FL. STPB. *2902*	100 ml 35 kg	84,–	71,40 price on request	67,20	63
61284 A 6.1/21A C 6.1 1935 1	**2-Fluorobenzyl cyanide** PROSYNTH® *2-Fluorobenzyle cyanure / 2-Fluorobencilo cianuro* $FC_6H_4CH_2CN$ C_8H_6FN $M = 135{,}14$ g/mol **1 L ≈ 1,14 kg** assay (GC) ..... 97% boiling range (at 27 mbar) ..... 96–98 °C refractive index (n_D^{20}) 1,501	FL. *2927*	100 ml	125,–	106,25	100,–	93
61285 A 6.1/21A C 6.1 1935 1	**3-Fluorobenzyl cyanide** PROSYNTH® *3-Fluorobenzyle cyanure / 3-Fluorobencilo cianuro* $FC_6H_4CH_2CN$ C_8H_6FN $M = 135{,}14$ g/mol **1 L ≈ 1,14 kg** assay (GC) ..... 96% boiling range (at 27 mbar) ..... 115–118 °C refractive index (n_D^{20}) 1,499	FL. *2927*	25 ml	166,–	141,10	132,80	124
61286 A 6.1/21A C 6.1 1935 1	**4-Fluorobenzyl cyanide** PROSYNTH® *4-Fluorobenzyle cyanure / 4-Fluorobencilo cianuro* $FC_6H_4CH_2CN$ C_8H_6FN $M = 135{,}14$ g/mol **1 L ≈ 1,13 kg** assay (GC) ..... 95% boiling range (at 24 mbar) ..... 118–120 °C refractive index (n_D^{20}) 1,500	FL. *2927*	100 ml	140,–	119,–	112,–	105
61302	**2-Fluorobiphenyl** PROSYNTH® *2-Fluorobiphényle / 2-Fluorobifenilo* $FC_6H_4C_6H_5$ $C_{12}H_9F$ $M = 172{,}20$ g/mol assay (GC) ..... 99% melting range ..... 72–74 °C	WG. FTP. *2902*	25 g 10 kg	152,–	129,20 price on request	121,60	114
61303	**4-Fluorobiphenyl** PROSYNTH® *4-Fluorobiphényle / 4-Fluorobifenilo* $FC_6H_4C_6H_5$ $C_{12}H_9F$ $M = 172{,}20$ g/mol assay (GC) ..... 99% melting range ..... 73–75 °C	WG. *2902*	10 g	66,50	56,55	53,20	49
01544 A 8/7 C 8 1775 2	**Fluoroboric acid** 50% for electroplating *Acide fluoroborique / Acido fluorobórico* HBF_4 $M = 87{,}81$ g/mol **1 L ≈ 1,40 kg** assay ..... 49,5–50,5% free boric acid (H_3BO_3) ..... 1–2% fluorosilicic acid (H_2SiF_6) ..... 0,02% iron (Fe) ..... 0,005% copper (Cu) ..... 0,0005% nickel (Ni) ..... 0,0005% heavy metals (as Pb) ..... 0,005% zinc (Zn) ..... 0,0005% chloride (Cl) ..... 0,005% sulphate (SO_4) ..... 0,03% R: 34 S: 26-27 disposal: 27	PF. FPF. STP. *2813*	1 L 75 kg 75 kg	13,75	11,70 price on request price on request	11,–	10

refer explanations

e-Number / D/ADR / GVE/GGVS / DG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
45 1 1775 2	**Fluoroboric acid** 50% special for electroplating *Acide fluoroborique / Acido fluorobórico* HBF_4 $M = 87{,}81$ g/mol **1 L ≈ 1,40 kg** assay ..... 49,5–50,5% free boric acid (H_3BO_3) ..... 1–2% fluorosilicic acid (H_2SiF_6) ..... 0,02% lead (Pb) ..... 0,05% iron (Fe) ..... 0,005% copper (Cu) ..... 0,0005% nickel (Ni) ..... 0,0005% zinc (Zn) ..... 0,0005% chloride (Cl) ..... 0,005% sulphate (SO_4) ..... 0,002% R: 34 S: 26-27 disposal: 27	PF. FPF. STP. *2813*	1 L 75 kg 75 kg	14,75 price on request price on request	12,55	11,80	11,35
525 7 1775 2	**Fluoroboric acid** 32% special for electroplating *Acide fluoroborique / Acido fluorobórico* HBF_4 $M = 87{,}81$ g/mol **1 L ≈ 1,22 kg** assay ..... 31,5–32,5% free boric acid (H_3BO_3) ..... 1–2% fluorosilicic acid (H_2SiF_6) ..... 0,02% lead (Pb) ..... 0,05% iron (Fe) ..... 0,002% copper (Cu) ..... 0,0005% nickel (Ni) ..... 0,0005% zinc (Zn) ..... 0,0005% chloride (Cl) ..... 0,002% sulphate (SO_4) ..... 0,002% R: 34 S: 26-27 disposal: 27	PF. FPF. *2813*	1 L 65 kg	13,25 price on request	11,25	10,60	10,20
477	***trans*-2-Fluorocinnamic acid** PROSYNTH® *Acide trans-2-fluorocinnamique / Acido trans-2-fluorocinámico* $FC_6H_4CH=CHCOOH$ $C_9H_7FO_2$ $M = 166{,}15$ g/mol assay (alkalimetric) ..... 98% melting range ..... 175–177 °C	WG. *2914*	100 g	150,–	127,50	120,–	112,50
484	***trans*-4-Fluorocinnamic acid** PROSYNTH® *Acide trans-4-fluorocinnamique / Acido trans-4-fluorocinámico* $FC_6H_4CH=CHCOOH$ $C_9H_7FO_2$ $M = 166{,}15$ g/mol assay (alkalimetric) ..... 99% melting range ..... 205–207 °C	WG. *2914*	100 g	150,–	127,50	120,–	112,50
359	**5-Fluorodeoxyuridine** BIOSYNTH® *5-Fluorodésoxyuridine / 5-Fluorodesoxiuridina* package of 250 mg $C_9H_{11}FN_2O_5$ $M = 246{,}19$ g/mol	*2935*	1 pack	77,–	65,45	61,60	57,75
	1-Fluoro-2,4-dinitrobenzene see 2,4-Dinitro-1-fluorobenzene						
159	**4-Fluorodiphenyl ether** PROSYNTH® *Ether 4-fluorodiphénylique / Eter 4-fluorodifenílico* $FC_6H_4OC_6H_5$ $C_{12}H_9FO$ $M = 188{,}20$ g/mol **1 L ≈ 1,12 kg** assay (GC) ..... 96% boiling range (at 53 mbar) ..... 147–149 °C	FL. *2908*	100 ml	price on request			

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	9 (16 F
61264 A 3/5 C 3.3 1993 2 +34 °C	**2-Fluoroethanol** PROSYNTH® *Fluoro-2-éthanol / 2-Fluoroetanol* FCH_2CH_2OH C_2H_5FO M = 64,06 g/mol **1 L ≈ 1,11 kg** assay (GC) ..... 97 % boiling range ..... 101–104 °C refractive index (n_D^{20}) ..... 1,366 R: 10-23/24/25 S: 44 disposal: 7	FL. *2904*	5 ml	38,25	32,50	30,60	2
61304	**4-Fluoroglutamic acid** PROSYNTH® *Acide 4-fluoroglutamique / Acido 4-fluoroglutámico* $HOOCCH(F)CH_2CH(NH_2)COOH$ $C_5H_8FNO_4$ M = 165,12 g/mol assay ..... 99 % melting range ..... 183–185 °C (disint.)	FL. *2923*	1 g	178,–	151,30	142,40	13
61424 A 3/3 C 3.3 1993 2 +33 °C	**1-Fluoroheptane** PROSYNTH® *1-Fluoroheptane / 1-Fluoroheptano* $CH_3(CH_2)_6F$ $C_7H_{15}F$ M = 118,19 g/mol **1 L ≈ 0,81 kg** assay (GC) ..... 97 % boiling range ..... 116–118 °C refractive index (n_D^{20}) ..... 1,385 R: 10 disposal: 7	FL. *2902*	10 ml	39,75	33,80	31,80	2
61425	**1-Fluorohexadecane** PROSYNTH® *1-Fluorohexadécane / 1-Fluorohexadecano* $CH_3(CH_2)_{15}F$ $C_{16}H_{33}F$ M = 244,44 g/mol **1 L ≈ 0,83 kg** assay (GC) ..... 95 % boiling range (at 3 mbar) ..... 148–151 °C refractive index (n_D^{20}) 1,431	FL. *2902*	5 ml	26,–	22,10	20,80	
61306	**5-Fluoro-2-hydroxyacetophenone** PROSYNTH® *5-Fluoro-2-hydroxyacétophénone / 5-Fluoro-2-hidroxiacetofenona* $FC_6H_3(OH)COCH_3$ $C_8H_7FO_2$ M = 154,14 g/mol assay ..... 95 % melting range ..... 54–57 °C	WG. *2913*	5 g	99,–	84,15	79,20	
	5-Fluoro-2-hydroxy-1-acetylbenzene see 5-Fluoro-2-hydroxyacetophenone						
	2-Fluoro-1-hydroxybenzene see 2-Fluorophenol						
	3-Fluoro-1-hydroxybenzene see 3-Fluorophenol						
	4-Fluoro-1-hydroxybenzene see 4-Fluorophenol						
61307	**4-(3-Fluoro-4-hydroxyphenyl)butyric acid** PROSYNTH® *Acide 4-(3-fluoro-4-hydroxyphényl)butyrique / Acido 4-(3-fluoro-4-hidroxifenil)butírico* $FC_6H_3(OH)(CH_2)_3COOH$ $C_{10}H_{11}FO_3$ M = 198,19 g/mol assay (alkalimetric) ..... 95 % melting range ..... 108–110 °C	FL. *2916*	1 g	35,75	30,40	28,60	
61308	**5-Fluoroindole** PROSYNTH® *5-Fluoroindole / 5-Fluoroindol* $FC_6H_3NHCH{=}CH$ C_8H_6FN M = 135,14 g/mol assay (GC) ..... 99 % melting range ..... 45–46 °C	FL. *2935*	1 g	59,–	50,15	47,20	

le-Number ID/ADR GVE/GGVS MDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
09	**2-Fluoroiodobenzene** PROSYNTH® *2-Fluoroiodobenzène / 2-Fluoroyodobenceno* C_6H_4FJ M = 222,00 g/mol assay (GC) ..... 99% boiling range ..... 189–191 °C	FL. *2902*	100 ml	238,–	202,30	190,40	178,50
310	**3-Fluoroiodobenzene** PROSYNTH® *3-Fluoroiodobenzène / 3-Fluoroyodobenceno* C_6H_4FJ M = 222,00 g/mol **1 L ≈ 1,91 kg** assay (GC) ..... 99% boiling range (at 25 mbar) ..... 76–78 °C refractive index (n_D^{20}) 1,586	FL. *2902*	25 ml	149,50	127,10	119,60	112,15
311	**4-Fluoroiodobenzene** PROSYNTH® *4-Fluoroiodobenzène / 4-Fluoroyodobenceno* C_6H_4FJ M = 222,00 g/mol **1 L ≈ 1,91 kg** assay (GC) ..... 97% boiling range ..... 182–184 °C refractive index (n_D^{20}) 1,528	FL. *2902*	25 ml	70,–	59,50	56,–	52,50
314	**4-Fluoro-2-iodotoluene** PROSYNTH® *4-Fluoro-2-iodotoluène / 4-Fluoro-2-yodotolueno* $FC_6H_3JCH_3$ C_7H_6FJ M = 236,03 g/mol **1 L ≈ 1,83 kg** assay (GC) ..... 98% boiling range ..... 206–208 °C	FL. *2902*	25 ml	175,–	148,75	140,–	131,25
315	**4-Fluoromandelic acid** PROSYNTH® *Acide 4-fluoromandélique / Acido 4-fluoroamigdálico* $FC_6H_4CH(OH)COOH$ $C_8H_7FO_3$ M = 170,14 g/mol assay (alkalimetric) 98%	WG. *2916*	10 g	59,–	50,15	47,20	44,25
316	**3-Fluoro-4-methoxyacetophenone** PROSYNTH® *3-Fluoro-4-méthoxyacétophénone / 3-Fluoro-4-metoxiacetofenona* $CH_3OC_6H_3(F)COCH_3$ $C_9H_9FO_2$ M = 168,17 g/mol assay (GC) ..... 95% melting range ..... 90–93 °C	WG. *2913*	10 g	38,75	32,95	31,–	29,05
	2-Fluoro-1-methoxybenzene see 2-Fluoroanisole						
	3-Fluoro-1-methoxybenzene see 3-Fluoroanisole						
	4-Fluoro-1-methoxybenzene see 4-Fluoroanisole						
317	**3-(3-Fluoro-4-methoxybenzoyl)-propionic acid** PROSYNTH® *Acide 3-(3-fluoro-4-méthoxybenzoyl)-propionique / Acido 3-(3-fluoro-4-metoxibenzoil)-propiónico* $CH_3OC_6H_3(F)COCH_2CH_2COOH$ $C_{11}H_{11}FO_4$ M = 226,20 g/mol assay (alkalimetric) ..... 99% melting range ..... 169–171 °C	WG. *2916*	10 g	35,–	29,75	28,–	26,25
'318 3.1/210 3.1 2811 2	**4-Fluoro-2-methyl-N,N-dimethylaniline** PROSYNTH® *4-Fluoro-2-méthyl-N-N-diméthylaniline / 4-Fluoro-2-metil-N,N-dimetilanilina* $FC_6H_3(CH_3)N(CH_3)_2$ $C_9H_{12}FN$ M = 153,20 g/mol assay (GC) 96%	FL. *2922*	5 g	207,–	175,95	165,60	155,25
'499	**2-Fluoro-N-methylpyridinium tosylat** PROSYNTH® (Mukaiyama reagent) *2-Fluoro-N-méthylpyridinium tosylate / 2-Fluoro-N-metilpiridinio tosilat* $CH=CHCH=CHCF=N^+CH_3 \cdot C_6H_4(CH_3)SO^-_3$ $C_{13}H_{14}FNO_3S$ M = 283,32 g/mol assay (ex F) ..... 98% melting range ..... 132–134 °C	WG. *3819*	50 g	68,–	57,80	54,40	51,–

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Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	
61319 A 3/4	**1-Fluoronaphthalene** PROSYNTH® *1-Fluoronaphtalène / 1-Fluoronaftaleno* $C_{10}H_7F$ M = 146,16 g/mol **1 L ≈ 1,13 kg** assay (GC) ..... 98 % boiling range ..... 213–215 °C refractive index (n_D^{20}) 1,594	FL. *2902*	25 ml	185,–	157,25	148,–	1
61320	**4-Fluoro-1-naphthoic acid** PROSYNTH® *Acide 4-fluoro-1-naphtoïque / Acido 4-fluoro-1-naftóico* $FC_{10}H_6COOH$ $C_{11}H_7FO_2$ M = 190,17 g/mol assay (alkalimetric) ..... 98 % melting range ..... 223–226 °C	FL. *2914*	1 g	43,75	37,20	35,–	
61322 A 6.1/21F C 6.1 2811 2	**4-Fluoro-2-nitroaniline** PROSYNTH® *4-Fluoro-2-nitroaniline / 4-Fluoro-2-nitroanilina* $NO_2C_6H_3FNH_2$ $C_6H_5FN_2O_2$ M = 156,12 g/mol assay (GC) ..... 90 % melting range ..... 93–95 °C	WG. *2922*	100 g	165,–	140,25	132,–	1
61070 A 6.1/21E C 6.1 2811 2	**4-Fluoro-3-nitroaniline** PROSYNTH® *4-Fluoro-3-nitroaniline / 4 Fluoro-3-nitroanilina* $C_6H_3(NH_2)(NO_2)F$ $C_6H_5FN_2O_2$ M = 156,12 g/mol assay ..... 98 % melting range ..... 96–98 °C	WG. *2922*	50 g	100,–	85,–	80,–	
61427 A 6.1/21 C 6.1 2811 2	**3-Fluoro-6-nitrobenzaldehyde** PROSYNTH® *3-Fluoro-6-nitrobenzaldéhyde / 3-Fluoro-6-nitrobenzaldehido* $NO_2C_6H_3FCHO$ $C_7H_4FNO_3$ M = 169,11 g/mol	FL. *2911*	1 g	49,25	41,85	39,40	
61428 A 6.1/21 C 6.1 2811 2	**4-Fluoro-2-nitrobenzaldehyde** PROSYNTH® *4-Fluoro-2-nitrobenzaldéhyde / 4-Fluoro-2-nitrobenzaldehido* $NO_2C_6H_3FCHO$ $C_7H_4FNO_3$ M = 169,11 g/mol	FL. *2911*	1 g	70,–	59,50	56,–	
61055 A 6.1/21K C 6.1 2810 2	**2-Fluoronitrobenzene** PROSYNTH® *2-Fluoronitrobenzène / 2-Fluoronitrobenceno* $C_6H_4FNO_2$ M = 141,10 g/mol **1 L ≈ 1,33 kg** assay (GC) ..... 98 % boiling range (at 15 mbar) ..... 84–86 °C refractive index (n_D^{20}) ..... 1,532 R: 23/24/25-33 S: 28-37-44 disposal: 20	FL. *2903*	100 ml	75,50	64,20	60,40	
61056 A 6.1/21K C 6.1 2810 2	**3-Fluoronitrobenzene** PROSYNTH® *3-Fluoronitrobenzène / 3-Fluoronitrobenceno* $C_6H_4FNO_2$ M = 141,10 g/mol **1 L ≈ 1,32 kg** assay (GC) ..... 98 % boiling range (at 20 mbar) ..... 88–90 °C refractive index (n_D^{20}) ..... 1,525 R: 23/24/25-33 S: 28-37-44 disposal: 20	FL. *2903*	100 ml	100,–	85,–	80,–	

refer explanations

-Number /ADR VE/GGVS OG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
57 /21K 2810 2	**4-Fluoronitrobenzene** PROSYNTH® *4-Fluoronitrobenzène / 4-Fluoronitrobenceno* $C_6H_4FNO_2$ $M = 141{,}10$ g/mol **1 L ≈ 1,33 kg** assay GC) ..... 98% boiling range ..... 205—207 °C refractive index (n_D^{20}) ..... 1,531 R: 23/24/25-33 . S: 28-37-44 disposal: 20	FL. KA. F. 2903	100 ml 30 kg 200 kg	40,— price on request price on request	34,—	32,—	30,—
43 /21K 1578 2	**2-Fluoro-5-nitrobenzotrifluoride** PROSYNTH® *2-Fluoro-5-nitrobenzotrifluorure / 2-Fluoro-5-nitrobenzotrifluoruro* $FC_6H_3(NO_2)CF_3$ $C_7H_3F_4NO_2$ $M = 209{,}10$ g/mol **1 L ≈ 1,52 kg** assay (GC) ..... 99% boiling range (at 67 mbar) ..... 116—118 °C refractive index (n_D^{20}) ..... 1,465 R: 23/24/25 S: 44 disposal: 21	FL. 2903	10 g	13,25	11,25	10,60	9,95
516 .1/21K .1 • 1578 2	**2-Fluoro-6-nitrobenzyl bromide** PROSYNTH® *Fluoro-2-nitro-6-benzyle bromure / 2-Fluoro-6-nitrobencilo bromuro* $FC_6H_3(NO_2)CH_2Br$ $C_7H_5BrFNO_2$ $M = 234{,}02$ g/mol assay (HPLC) ..... 98% melting range ..... 53—54 °C	WG. 2903	25 g	100,—	85,—	80,—	75,—
323 .1/21K .1 2811 2	**4-Fluoro-4'-nitrobiphenyl** PROSYNTH® *4-Fluoro-4'-nitrobiphényle / 4-Fluoro-4'-nitrobifenilo* $FC_6H_4C_6H_4NO_2$ $C_{12}H_8FNO_2$ $M = 217{,}20$ g/mol melting range ..... 120—122 °C	WG. 2903	10 g	143,—	121,55	114,40	107,25
429 6.1/22 6.1 2811 3	**2-Fluoro-6-nitrophenol** PROSYNTH® *2-Fluoro-6-nitrophénol / 2-Fluoro-6-nitrofenol* $NO_2C_6H_3FOH$ $C_6H_4FNO_3$ $M = 157{,}10$ g/mol	FL. 2906	1 g	70,—	59,50	56,—	52,50
325 6.1/21L 6.1 2811 3	**3-Fluoro-4-nitrophenol monohydrate** PROSYNTH® *3-Fluoro-4-nitrophénol monohydrate / 3-Fluoro-4-nitrofenol monohidrato* $NO_2C_6H_3FOH \cdot H_2O$ $C_6H_4FNO_3 \cdot H_2O$ $M = 175{,}12$ g/mol assay ..... 99% melting range ..... 38—40 °C R: 23/24/25-33 S: 28-37-44 disposal: 20	FL. 2907	1 g	47,—	39,95	37,60	35,25
324 6.1/21L 6.1 2811 3	**3-Fluoro-6-nitrophenol** PROSYNTH® *3-Fluoro-6-nitrophénol / 3-Fluoro-6-nitrofenol* $NO_2C_6H_3FOH$ $C_6H_4FNO_3$ $M = 157{,}10$ g/mol assay (GC) ..... 97% melting range ..... 29—31 °C R: 23/24/25-33 S: 28-37-44 disposal: 20	FL. 2907	1 g	40,75	34,65	32,60	30,55
1430	**4-Fluoro-3-nitrophenyltrimethylammonium iodide** PROSYNTH® *4-Fluoro-3-nitrophényltriméthylammonium iodure / 4-Fluoro-3-nitrofeniltrimetilamonio yoduro* $FC_6H_3(NO_2)N(J)(CH_3)_3$ $C_9H_{12}FJN_2O_2$ $M = 326{,}11$ g/mol assay (ex I) ..... 98% melting range ..... 185—190 °C (disint.)	FL. 2924	1 g	25,75	21,90	20,60	19,30

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61431 A 6.1/21 C 6.1 2810 2	**2-Fluoro-5-nitropyridine** PROSYNTH® *2-Fluoro-5-nitropyridine / 2-Fluoro-5-nitropiridina* $N=CFCH=CHC(NO_2)=CH$ $C_5H_3FN_2O_2$ M = 142,09 g/mol **1 L ≈ 1,42 kg** assay (HPLC) ..... 97 % keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	FL. *2935*	1 ml	70,—	59,50	56,—	
61478 A 6.1/21K C 6.1 2811 2	**2-Fluoro-β-nitrostyrene** PROSYNTH® *Fluoro-2-nitro-β-styrène / 2-Fluoro-β-nitroestirene* $FC_6H_4CH=CHNO_2$ $C_8H_6FNO_2$ M = 167,14 g/mol assay (GC) ..... 99 % melting range ..... 56—57 °C	WG. WG. *2903*	25 g † 100 g	100,— 340,—	85,— 289,—	80,—	
61482 A 6.1/21 C 6.1 2811 2	**4-Fluoro-β-nitrostyrene** PROSYNTH® *Fluoro-4-nitro-β-styrène / 4-Fluoro-β-nitroestireno* $FC_6H_4CH=CHNO_2$ $C_8H_6FNO_2$ M = 167,14 g/mol assay (GC) ..... 99 % melting range ..... 100—102 °C R: 20/21/22 S: 28 disposal: 7	WG. WG. *2903*	25 g † 100 g	100,— 340,—	85,— 289,—	80,—	
61061 A 6.1/21L C 6.1 2810 2	**2-Fluoro-4-nitrotoluene** PROSYNTH® *2-Fluoro-4-nitrotoluène / 2-Fluoro-4-nitrotolueno* $C_6H_3(CH_3)F(NO_2)$ $C_7H_6FNO_2$ M = 155,13 g/mol **1 L ≈ 1,23 kg** assay (GC) ..... 95 % melting range ..... 31—33 °C R: 23/24/25-33 S: 28-37-44 disposal: 20	FL. *2903*	100 ml	100,—	85,—	80,—	
61062 A 6.1/21L C 6.1 2811 2	**2-Fluoro-5-nitrotoluene** PROSYNTH® *2-Fluoro-5-nitrotoluène / 2-Fluoro-5-nitrotolueno* $C_6H_3(CH_3)F(NO_2)$ $C_7H_6FNO_2$ M = 155,13 g/mol assay (GC) ..... 98 % melting range ..... 38—40 °C R: 23/24/25-33 S: 28-37-44 disposal: 20	WG. *2903*	100 g	125,50	106,70	100,40	
61063 A 6.1/21L C 6.1 2810 2	**2-Fluoro-6-nitrotoluene** PROSYNTH® *2-Fluoro-6-nitrotoluène / 2-Fluoro-6-nitrotolueno* $C_6H_3(CH_3)F(NO_2)$ $C_7H_6FNO_2$ M = 155,13 g/mol **1 L ≈ 1,28 kg** R: 23/24/25-33 S: 28-37-44 disposal: 20	FL. *2903*	100 ml	130,—	110,50	104,—	
01811 A 6.1/21L C 6.1 2810 2	**2-Fluoro-6-nitrotoluene** *2-Fluoro-6-nitrotoluène / 2-Fluoro-6-nitrotolueno* $C_6H_3(CH_3)F(NO_2)$ $C_7H_6FNO_2$ M = 155,13 g/mol **1 L ≈ 1,28 kg** R: 23/24/25-33 S: 28-37-44 disposal: 20	EKS. F. *2903*	45 kg 200 kg	price on request price on request			
61326 A 6.1/21K C 6.1 2810 2	**3-Fluoro-6-nitrotoluene** PROSYNTH® *3-Fluoro-6-nitrotoluène / 3-Fluoro-6-nitrotolueno* $NO_2C_6H_3FCH_3$ $C_7H_6FNO_2$ M = 155,13 g/mol **1 L ≈ 1,29 kg** assay (GC) ..... 97 % boiling range ..... 95—97 °C R: 23/24/25-33 S: 28-37-44 disposal: 20	FL. *2903*	25 ml	100,50	85,45	80,40	

refer explanations

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?7 */21K* 2810 2	**4-Fluoro-2-nitrotoluene** PROSYNTH® *4-Fluoro-2-nitrotoluène / 4-Fluoro-2-nitrotolueno* $NO_2C_6H_3FCH_3$ $C_7H_6FNO_2$ *M* = 155,13 g/mol **1 L ≈ 1,26 kg** assay (GC) ..... 99% boiling range ..... 211—213 °C refractive index (n_D^{20}) ..... 1,527 R: 23/24/25-33 S: 28-37-44 disposal: 20	FL. *2903*	50 ml	80,—	68,—	64,—	60,—
32 3 3 1993 2 °C	**1-Fluorooctane** PROSYNTH® *1-Fluorooctane / 1-Fluorooctano* $CH_3(CH_2)_7F$ $C_8H_{17}F$ *M* = 132,22 g/mol **1 L ≈ 0,81 kg** assay (GC) ..... 97% boiling range ..... 141—143 °C refractive index (n_D^{20}) ..... 1,394 R: 10 disposal: 7	FL. *2902*	10 ml	28,50	24,25	22,80	21,40
211 1/13C 1 2810 3	**2-Fluorophenol** PROSYNTH® *2-Fluorophénol / 2-Fluorofenol* FC_6H_4OH C_6H_5FO *M* = 112,10 g/mol **1 L ≈ 1,20 kg** assay (GC) ..... 98% boiling range ..... 150—152 °C refractive index (n_D^{20}) ..... 1,514 R: 20/21/22 S: 2-28 disposal: 7	FL. *2907*	50 ml	60,—	51,—	48,—	45,—
212 .1/13C .1 2810 3	**3-Fluorophenol** PROSYNTH® *3-Fluorophénol / 3-Fluorofenol* FC_6H_4OH C_6H_5FO *M* = 112,10 g/mol **1 L ≈ 1,22 kg** assay (GC) ..... 97% boiling range ..... 174—176 °C refractive index (n_D^{20}) ..... 1,514 R: 20/21/22 S: 2-28 disposal: 7	FL. *2907*	50 ml	115,—	97,75	92,—	86,25
259 3.1/13C 3.1 2021 3	**4-Fluorophenol** R.G. *4-Fluorophénol / 4-Fluorofenol* FC_6H_4OH C_6H_5FO *M* = 112,10 g/mol suitability for determination of nitrate ..... passes test R: 20/21/22 S: 2-28 disposal: 7	PF. *2907*	100 g	130,—	110,50	104,—	97,50
213 3.1/13C 3.1 2810 3	**4-Fluorophenol** PROSYNTH® *4-Fluorophénol / 4-Fluorofenol* FC_6H_4OH C_6H_5FO *M* = 112,10 g/mol **1 L ≈ 1,22 kg** assay (GC) ..... 98% melting range ..... 44—47 °C R: 20/21/22 S: 2-28 disposal: 7	PF. PF. *2907*	† 25 g 100 g	19,25 58,—	16,35 49,30	46,40	43,50
1504	**4-Fluorophenoxyacetamide** PROSYNTH® *4-Fluorophénoxyacétamide / 4-Fluorofenoxiacetamida* $FC_6H_4OCH_2CONH_2$ $C_8H_8FNO_2$ *M* = 169,16 g/mol assay (GC) ..... 97% melting range ..... 106—108 °C	WG. *2925*	100 g	218,—	185,30	174,40	163,50

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	
61503	**4-Fluorophenoxyacetic acid** PROSYNTH® *Acide 4-fluorophénoxyacétique / Acido 4-fluorofenoxiacético* $FC_6H_4OCH_2COOH$ $C_8H_7FO_3$ $M = 170{,}14$ g/mol assay (HPCL) ..... 97 % melting range ..... 98 – 100 °C	WG. *2916*	100 g	327,–	277,95	261,60	2
61434	**2-Fluorophenylacetic acid** PROSYNTH® *Acide 2-fluorophénylacétique / Acido 2-fluorofenilacético* $FC_6H_4CH_2COOH$ $C_8H_7FO_2$ $M = 154{,}14$ g/mol assay (GC) ..... 99 % melting range ..... 60 – 62 °C	FL. WG. *2914*	† 1 g 50 g	8,50 100,–	7,25 85,–	 80,–	
61328	**4-Fluorophenylacetic acid** PROSYNTH® *Acide 4-fluorophénylacétique / Acido 4-fluorofenilacético* $FC_6H_4CH_2COOH$ $C_8H_7FO_2$ $M = 154{,}14$ g/mol assay (GC) ..... 99 % melting range ..... 81 – 83 °C	WG. *2914*	50 g	95,–	80,75	76,–	
61493	**2-(2-Fluorophenyl)-acetoacetic acid** PROSYNTH® *Acide 2-(2-fluorophényl)-acétoacétique / Acido 2-(2-fluorofenilo)-acetoacético* $FC_6H_4CH(COOH)COCH_3$ $C_{10}H_9FO_3$ $M = 196{,}18$ g/mol assay (GC) ..... 98 % melting range ..... 114 – 116 °C	WG. *2916*	100 g	356,–	302,60	284,80	2
61494	**2-(4-Fluorophenyl)-acetoacetic acid** PROSYNTH® *Acide 2-(4-fluorophényl)-acétoacétique / Acido 2-(4-fluorofenilo)-acetoacético* $FC_6H_4CH(COOH)COCH_3$ $C_{10}H_9FO_3$ $M = 196{,}18$ g/mol assay (GC) ..... 98 % melting range ..... 104 – 106 °C	WG. *2916*	100 g	312,–	265,20	249,60	2
61495 A 6.1/21 C 6.1 2811 2	**2-(2-Fluorophenyl)-acetoacetnitrile** PROSYNTH® *2-(2-Fluorophenyl)-acétoacétnitrile / 2-(2-Fluorofenilo)-acetoacetnitrilo* $FC_6H_4(CN)COCH_3$ $C_{10}H_8FNO$ $M = 177{,}18$ g/mol assay (GC) ..... 98 % melting range ..... 81 – 83 °C R: 23/24/25 S: 44 disposal: 15	WG. *2927*	100 g	413,–	351,05	330,40	3
61496 A 6.1/21 C 6.1 2811 2	**2-(4-Fluorophenyl)-acetoacetnitrile** PROSYNTH® *2-(4-Fluorophényl)-acétoacétnitrile / 2-(4-Fluorofenilo)-acetoacetnitrilo* $FC_6H_4CH(CN)COCH_3$ $C_{10}H_8FNO$ $M = 177{,}18$ g/mol assay (GC) ..... 98 % melting range ..... 86 – 88 °C R: 23/24/25 S: 44 disposal: 15	WG. *2927*	100 g	375,–	318,75	300,–	2
61161	**2-Fluorophenylacetone** PROSYNTH® *Fluoro-2-phénylacétone / 2-Fluorofenilacetona* $FC_6H_4CH_2COCH_3$ C_9H_9FO $M = 152{,}17$ g/mol 1 L ≈ 1,07 kg assay (GC) ..... 99 % boiling range (at 20 mbar) ..... 97 – 99 °C	FL. FL. *2913*	50 ml † 100 ml	150,– 273,–	127,50 232,05	120,–	1

refer explanations

-Number /ADR /E/GGVS G-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
4	**4-Fluorophenylacetone** PROSYNTH® *Fluoro-4-phénylacétone / 4-Fluorofenilacetona* $FC_6H_4CH_2COCH_3$ C_9H_9FO M = 152,17 g/mol 1 L ≈ 1,06 kg assay (GC) ..... 99% boiling range (at 13 mbar) ..... 85–87 °C	FL. FL. 2913	50 ml † 100 ml	140,– 255,–	119,– 216,75	112,–	105,–
	2-Fluorophenylacetonitrile see 2-Fluorobenzyl cyanide						
97	**2-Fluoro-DL-phenylalanine** BIOSYNTH® *2-Fluoro-DL-phénylalanine / 2-Fluoro-DL-fenilalanina* $FC_6H_4CH_2CH(NH_2)COOH$ $C_9H_{10}FNO_2$ M = 183,18 g/mol	WG. 2923	1 g	22,–	18,70	17,60	16,50
95	**3-Fluoro-DL-phenylalanine** BIOSYNTH® *3-Fluoro-DL-phénylalanine / 3-Fluoro-DL-fenilalanina* $FC_6H_4CH_2CH(NH_2)COOH$ $C_9H_{10}FNO_2$ M = 183,18 g/mol	FL. 2923	1 g	22,–	18,70	17,60	16,50
92	**4-Fluoro-DL-phenylalanine** BIOSYNTH® *4-Fluoro-DL-phénylalanine / 4-Fluoro-DL-fenilalanina* $FC_6H_4CH_2CH(NH_2)COOH$ $C_9H_{10}FNO_2$ M = 183,18 g/mol	FL. FL. 2923	1 g 10 g	25,50 180,–	21,70 153,–	20,40 144,–	19,15 135,–
33 4	**N-(4-Fluorophenyl)-ethylendiamine** PROSYNTH® *N-(4-Fluorophényl)-éthylenediamine / N-(4-Fluorofenil)-etilendiamina* $FC_6H_4NHCH_2CH_2NH_2$ $C_8H_{11}FN_2$ M = 154,19 g/mol 1 L ≈ 1,14 kg assay (GC) ..... 98% refractive index (n_D^{20}) 1,555	FL. 2922	5 ml	24,–	20,40	19,20	18,–
88	**DL-(2-Fluorophenyl)-glycine** PROSYNTH® *DL-(Fluoro-2-phényl)-glycine / DL-(2-Fluorofenil)-glicina* $FC_6H_4CH(NH_2)COOH$ $C_8H_8FNO_2$ M = 169,16 g/mol assay (ex N) 98%	PF. PF. 2923	50 g † 100 g	150,– 273,–	127,50 232,05	120,–	112,50
01	**D(–)-(4-Fluorophenyl)-glycine** PROSYNTH® *D(–)-(Fluoro-4-phényl)-glycine / D(–)-(4-Fluorofenil)-glicina* $FC_6H_4CH(NH_2)COOH$ $C_8H_8FNO_2$ M = 169,16 g/mol assay (ex N) ..... 99% specific rotation (α_D^{20}, c=2 in HCl 1 mol/l) .... 135° ±1°	WG. WG. 2923	25 g † 100 g	150,– 510,–	127,50 433,50	120,–	112,50
30	**3-Fluorophenylhydrazinium chloride** PROSYNTH® *3-Fluorophénylhydrazinium chlorure / 3-Fluorofenilhidracinio cloruro* $FC_6H_4NHNH_2 \cdot HCl$ $C_6H_8ClFN_2$ M = 162,59 g/mol assay (ex Cl) ..... 97% melting range ..... 266–268 °C (disint.)	WG. 2929	10 g	109,–	92,65	87,20	81,75
31 3 1993 2 C	**4-Fluorophenylhydrazinium chloride** PROSYNTH® *4-Fluorophénylhydrazinium chlorure / 4-Fluorofenilhidracinio cloruro* $FC_6H_4NHNH_2 \cdot HCl$ $C_6H_8ClFN_2$ M = 162,59 g/mol assay (ex Cl) ..... 97% melting range ..... 248–250 °C (disint.)	WG. 2929	10 g	65,50	55,70	52,40	49,15
33	**2-Fluorophenylmethylcarbinol** PROSYNTH® *2-Fluorophénylméthylcarbinol / 2-Fluorofenilmetilcarbinol* $FC_6H_4CH(OH)CH_3$ C_8H_9FO M = 140,16 g/mol 1 L ≈ 1,13 kg assay (GC) ..... 97% boiling range (at 60 mbar) ..... 115–117 °C refractive index (n_D^{20}) 1,503	FL. 2905	25 ml	188,–	159,80	150,40	141,–

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61334	**3-Fluorophenylmethylcarbinol** PROSYNTH® *3-Fluorophénylméthylcarbinol / 3-Fluorofenilmetilcarbinol* $FC_6H_4CH(OH)CH_3$ C_8H_9FO $M = 140,16$ g/mol **1 L ≈ 1,12 kg** assay (GC) ..... 97% boiling range (at 60 mbar) ..... 118–120 °C refractive index (n_D^{20}) 1,501	FL. *2905*	25 ml	188,–	159,80	150,40
61335	**4-Fluorophenylmethylcarbinol** PROSYNTH® *4-Fluorophénylméthylcarbinol / 4-Fluorofenilmetilcarbinol* $FC_6H_4CH(OH)CH_3$ C_8H_9FO $M = 140,16$ g/mol **1 L ≈ 1,12 kg** assay (GC) ..... 98% boiling range (at 60 mbar) ..... 120–122 °C refractive index (n_D^{20}) 1,500	FL. *2905*	25 ml	96,–	81,60	76,80
61332 A 6.1/25C C 6.1 2811 2	**4-Fluorophenyl *iso*-thiocyanate** PROSYNTH® *4-Fluorophényle iso-thiocyanate / 4-Fluorofenilo iso-tiocianato* FC_6H_4NCS C_7H_4FNS $M = 153,18$ g/mol assay (GC) ..... 98% melting range ..... 25–27 °C	FL. *2931*	10 g	56,50	48,05	45,20
61346	**3-Fluorophthalic acid** PROSYNTH® *Acide 3-fluorophtalique / Acido 3-fluoroftálico* $FC_6H_3(COOH)_2$ $C_8H_5FO_4$ $M = 184,12$ g/mol assay (alkalimetric) ..... 99% melting range ..... 160–165 °C	WG. *2915*	10 g	74,–	62,90	59,20
61347	**3-Fluorophthalic anhydride** PROSYNTH® *Anhydride 3-fluorophtalique / Anhidrido 3-fluoroftálico* FC_6H_3COOCO $C_8H_3FO_3$ $M = 166,11$ g/mol assay 96%	WG. *2915*	10 g	74,–	62,90	59,20
61348	**4-Fluoropropiophenone** PROSYNTH® *4-Fluoropropiophénone / 4-Fluoropropiofenona* $FC_6H_4COC_2H_5$ C_9H_9FO $M = 152,17$ g/mol **1 L ≈ 1,10 kg** assay (GC) ..... 98% boiling range (at 29 mbar) ..... 100–102 °C refractive index (n_D^{20}) 1,506	FL. EKS. *2913*	50 g 30 kg	37,– price on request	31,45	29,60
61349 A 3/3 C 3.3 1992 2 +24 °C	**2-Fluoropyridine** PROSYNTH® *2-Fluoropyridine / 2-Fluoropiridina* $N=CFCH=CHCH=CH$ C_5H_4FN $M = 97,09$ g/mol **1 L ≈ 1,13 kg** assay (GC) ..... 98% boiling range ..... 124–126 °C R: 10-20/21/22 disposal: 7	FL. *2935*	50 ml	64,50	54,85	51,60
01302 A 8/8 C 8 1778 2	**Fluorosilicic acid** 34% pure *Acide fluorosilicique / Acido fluorosilícico* H_2SiF_6 $M = 144,09$ g/mol **1 L ≈ 1,31 kg** assay ..... 34% iron (Fe) ..... 0,01% heavy metals (as Pb) ..... 0,003% chloride (Cl) ..... 0,005% sulphate (SO_4) ..... 0,01% R: 34 S: 26-27 disposal: 27	PF. FPF. *2813*	1 L 70 kg	18,75 price on request	15,95	15,–

refer explanations

Number ADR E/GGVS G CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
1 778 2	**Fluorosilicic acid** 34% technical *Acide fluorosilicique / Acido fluorosilícico* H_2SiF_6 *M* = 144,09 g/mol **1 L ≈ 1,31 kg** assay ..... 34% iron (Fe) ..... 0,01% heavy metals (as Pb) ..... 0,005% chloride (Cl) ..... 0,2% sulphate (SO_4) ..... 0,1% R: 34 S: 26-27 disposal: 27	PF. FPF. *2813*	1 L 70 kg	17,50	14,90 price on request	14,—	13,50
08 788 2	**Fluorosilicic acid** 31% R. G. *Acide fluorosilicique / Acido fluorosilícico* H_2SiF_6 *M* = 144,09 g/mol **1 L ≈ 1,29 kg** assay ..... 30—32% residue on ignition ..... max. 0,01% calcium (Ca) ..... max. 0,002% iron (Fe) ..... max. 0,001% potassium (K) ..... max. 0,002% magnesium (Mg) ..... max. 0,002% sodium (Na) ..... max. 0,005% heavy metals (as Pb) ..... max. 0,001% chloride (Cl) ..... max. 0,002% sulphate (SO_4) ..... max. 0,005% R: 34 S: 26-27 disposal: 27	PF. *2813*	1 L	42,25	35,90	33,80	32,55
50 3 3 1993 2	**2-Fluorostyrene** PROSYNTH® stabilized with 4-*tert.*-butylpyrocatechol (1 g/l) *2-Fluorostyrène / 2-Fluoroestireno* $FC_6H_4CH=CH_2$ C_8H_7F *M* = 122,14 g/mol **1 L ≈ 1,03 kg** assay (GC) ..... 98% boiling range (at 43 mbar) ..... 44—46 °C refractive index (n_D^{20}) ..... 1,520 R: 10 disposal: 7	FL. *2902*	5 ml	53,50	45,50	42,80	40,15
351 3 3 1993 2	**3-Fluorostyrene** PROSYNTH® stabilized with 4-*tert.*-butylpyrocatechol (1 g/l) *3-Fluorostyrène / 3-Fluoroestireno* $FC_6H_4CH=CH_2$ C_8H_7F *M* = 122,14 g/mol **1 L ≈ 1,02 kg** assay (GC) ..... 98% boiling range (at 5 mbar) ..... 30—32 °C refractive index (n_D^{20}) ..... 1,517 R: 10 disposal: 7	FL. *2902*	5 ml	93,50	79,50	74,80	70,15
352 '3 3 1993 2 5 °C	**4-Fluorostyrene** PROSYNHT® stabilized with 4-*tert.*-butylpyrocatechol (1 g/l) *4-Fluorostyrène / 4-Fluoroestireno* $FC_6H_4CH=CH_2$ C_8H_7F *M* = 122,14 g/mol **1 L ≈ 1,02 kg** assay (GC) ..... 97% boiling range (at 67 mbar) ..... 65—67 °C refractive index (n_D^{20}) ..... 1,515 R: 10 disposal: 7	FL. *2902*	5 ml	45,25	38,45	36,20	33,95
135	**1-Fluorotetradecane** PROSYNTH® *1-Fluorotétradécane / 1-Fluorotetradecano* $CH_3(CH_2)_{13}F$ $C_{14}H_{29}F$ *M* = 216,38 g/mol **1 L ≈ 0,83 kg** assay (GC) ..... 96% boiling range ..... 117—120 °C refractive index (n_D^{20}) 1,425	FL. *2902*	10 ml	30,75	26,15	24,60	23,05

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61436 A 6.1/22 C 6.1 2810 3	**4-Fluorothiophenol** PROSYNTH® *4-Fluorothiophénol / 4-Fluorotiofenol* FC_6H_4SH C_6H_5FS M = 128,17 g/mol **1 L ≈ 1,20 kg** assay (GC) ..... 99% boiling range ..... 159–161 °C refractive index (n_D^{20}) 1,550	FL. *2931*	1 ml	28,50	24,25	22,80	2
61048 A 3/1A C 3.2 2388 2 +8 °C	**2-Fluorotoluene** PROSYNTH® *2-Fluorotoluène / 2-Fluorotolueno* $C_6H_4(CH_3)F$ C_7H_7F M = 110,13 g/mol **1 L ≈ 1,00 kg** R: 11-20 S: 7-16-29-33 disposal: 7	FL. *2902*	250 ml	40,–	34,–	32,–	3
01804 A 3/1A C 3.2 2388 2 +8 °C	**2-Fluorotoluene** *2-Fluorotoluène / 2-Fluorotolueno* $C_6H_4(CH_3)F$ C_7H_7F M = 110,13 g/mol **1 L ≈ 1,00 kg** R: 11-20 S: 7-16-29-33 disposal: 7	EKS. *2902*	40 kg	price on request			
61049 A 3/1A C 3.2 2388 2 +12 °C	**3-Fluorotoluene** PROSYNTH® *3-Fluorotoluène / 3-Fluorotolueno* $C_6H_4(CH_3)F$ C_7H_7F M = 110,13 g/mol **1 L ≈ 1,00 kg** assay (GC) ..... 99% boiling range ..... 114–116 °C refractive index (n_D^{20}) ..... 1,470 R: 11-20 S: 7-16-29-33 disposal: 7	FL. *2902*	100 ml	40,–	34,–	32,–	3
61050 A 3/1A C 3.2 2388 2 +10 °C	**4-Fluorotoluene** PROSYNTH® *4-Fluorotoluène / 4-Fluorotolueno* $C_6H_4(CH_3)F$ C_7H_7F M = 110,13 g/mol **1 L ≈ 1,00 kg** assay (GC) ..... 99% R: 11-20 S: 7-16-29-33 disposal: 7	FL. *2902*	250 ml	50,–	42,50	40,–	3
01805 A 3/1A C 3.2 2388 2 +10 °C	**4-Fluorotoluene** *4-Fluorotoluène / 4-Fluorotolueno* $C_6H_4(CH_3)F$ C_7H_7F M = 110,13 g/mol **1 L ≈ 1,00 kg** assay (GC) ..... 99% R: 11-20 S: 7-16-29-33 disposal: 7	EKS. F. *2902*	40 kg 200 kg	price on request price on request			
39360	**5'-Fluorouracil** BIOSYNTH® *5'-Fluorouracile / 5'-Fluorouracilo* $N=C(OH)N=C(OH)CF=CH$ $C_4H_3FN_2O_3$ M = 130,08 g/mol	FL. *2935*	1 g	15,50	13,20	12,40	1
61509	**3-Fluoro-1,2-xylene** PROSYNTH® *3-Fluoro-1-2-xylène / 3-Fluoro-1,2-xileno* $FC_6H_3(CH_3)_2$ C_8H_9F M = 125,17 g/mol	FL. *2935*	25 ml	130,–	110,50	104,–	9
61510	**DL(±)-(4-Fluorphenyl)-glycine** PROSYNTH® *DL(±)-(4-Fluorophényl)-glycine / DL(±)-(4-Fluorofenil)-glicina* $FC_6H_4CH(NH_2)COOH$ $C_8H_8FNO_2$ M = 169,16 g/mol assay (ex N) 99%	WG. *2923*	25 g	130,–	110,50	104,–	9

Folane see Diphenylacetylene

refer explanations

le-Number D/ADR GVE/GGVS MDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
176	**Folic acid** BIOSYNTH® *Acide folique / Acido fólico* $C_{19}H_{19}N_7O_6$ $M = 441{,}40$ g/mol	WG. *2935*	10 g	23,—	19,55	18,40	17,25
	Folin see also Sodium naphthoquinone-1,2-sulphonate-(4)						
022	**Folin-Denis reagent** for phenols *Réactif de Folin-Denis / Reactivo de Folin-Denis* 1 L ≈ 1,13 kg	FL. *3819*	250 ml	14,—	11,90	11,20	10,50
070	**Folin-Denis reagent** for colorimetric detection of uric acid *Réactif de Folin-Denis / Reactivo de Folin-Denis* 1 L ≈ 1,13 kg	FL. *3819*	250 ml	14,—	11,90	11,20	10,50
803	**Folpet** min. 99% PESTANAL® [N-(Trichloromethylthio)-phthalimide] $C_9H_4Cl_3NO_2S$ $M = 296{,}56$ g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	FL. *2926*	1 g	28,25	24,—	22,60	21,20
5901 6.1/81A 6.1 1615 2	**Fonophos** min. 99% PESTANAL® $CH_3CH_2O(CH_3CH_2)P(S)SC_6H_5$ $C_{10}H_{15}OPS_2$ $M = 246{,}33$ g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 26/27/28 S: 1-13-45 disposal: 7	FL. *2921*	2 g	63,—	53,55	50,40	47,25
5512 8/24 3.3 1198 2 56 °C	**Formaldehyde solution** 37% by weight, B. P. 1973, U. S. P. XIX, stabilized with about 10% methanol *Formaldéhyde en solution / Formaldehido en solución* HCHO CH_2O $M = 30{,}03$ g/mol 1 L ≈ 1,09 kg assay ..... 37% density (D_4^{20}) ..... 1,085—1,095 sulphated ash ..... 0,05% free acid (as HCOOH) ..... 0,1% heavy metals (as Pb) ..... 0,0005% chloride (Cl) ..... 0,001% sulphate (SO_4) ..... 0,002% R: 23/24/25 S: 2-28 disposal: 14	PF. PF. STP. STP. STP. *2911*	1 L 2,5 L 60 kg 5x 10x	13,50 26,50 kg kg kg	11,50 22,— 3,10 2,90 2,80	10,80 20,65	10,40 19,90
9052 8/24 3.3 1198 2 56 °C	**Formaldehyde-d_2 solution** (20% in D_2O) deuteration degree not less than 99 atom% D *Formaldéhyde-d_2 solution / Formaldehído-d_2 solución* DCDO CD_2O $M = 32{,}01$ g/mol 1 L ≈ 1,06 kg R: 23/24/25 S: 2-28 disposal: 14	A. *2851*	5 ml	95,—	80,75	76,—	71,25
	p-Formaldehyde see Paraformaldehyde						
4591 3/5 3.2 1993 2 7 °C	**Formaldehyde dimethyl acetal** PROSYNTH® *Formaldéhyde diméthylacétal / Formaldehido dimetilacetal* $CH_3OCH_2OCH_3$ $C_3H_8O_2$ $M = 76{,}10$ g/mol 1 L ≈ 0,86 kg R: 11-23/24/25 S: 16-27-44 disposal: 14	FL. *2910*	1 L	49,25	41,85	39,40	37,90
	Formaldehyde gelatine see GELETOL®						
	Formaldehyde oxime see Formaldoxime						
4330	**Formaldehyde oxime hydrochloride trimer** PROSYNTH® *Formaldoxime chlorhydrate trimére / Formaldoxima clorhidrato trímero* $(CH_2=NOH)_3 \cdot HCl$ $C_3H_{10}ClN_3O_3$ $M = 171{,}58$ g/mol	WG. *2929*	10 g	29,25	24,85	23,40	21,95

Code-Number
A) RID/ADR
B) GGVE/GGVS
C) IMDG-CODE (GGVSee)

		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	9 (16 B
33220	**Formaldehyde solution** 35% by weight, R. G., Reag. ACS stabilized with about 10% methanol *Formaldéhyde en solution / Formaldehido en solución* HCHO CH_2O $M = 30{,}03$ g/mol **1 L ≈ 1,09 kg** assay ..... 35–37% density (D_4^{20}) ..... 1,085–1,095 sulphated ash ..... max. 0,005% free acid (as HCOOH) ..... max. 0,03% iron (Fe) ..... max. 0,0001% heavy metals (as Pb) ..... max. 0,0002% chloride (Cl) ..... max. 0,0001% sulphate (SO_4) ..... max. 0,002% R: 23/24/25 S: 2-28 disposal: 14	PF. PF. STP. 2911	1 L 2,5 L 60 kg	14,75 30,75 kg	12,55 25,50 4,–	11,50 24,–	10 23
15513	**Formaldehyde solution** 35% by weight, DAB 8, stabilized with about 10% methanol *Formaldéhyde en solution / Formaldehido en solución* HCHO CH_2O $M = 30{,}03$ g/mol **1 L ≈ 1,08 kg** assay ..... 36% density (D_4^{20}) ..... 1,075–1,086 sulphated ash ..... 0,05% free acid (as HCOOH) ..... 0,1% heavy metals (as Pb) ..... 0,0005% chloride (Cl) ..... 0,001% sulphate (SO_4) ..... 0,002% R: 23/24/25 S: 2-28 disposal: 14	PF. PF. STP. STP. STP. 2911	1 L 2,5 L 60 kg 5x 10x	13,50 27,75 kg kg kg	11,50 23,05 3,05 2,85 2,75	10,80 21,65	10 20
33197	**Formaldoxime** R. G. (abt. 15% solution in diethyl ether) *Formaldoxime / Formaldoxima* HCH=NOH CH_3NO $M = 45{,}04$ g/mol **1 L ≈ 0,72kg** R: 12-19 S: 9-16-29-33 disposal: 5	FL. 2929	50 ml	56,50	48,05	45,20	4
	Formalin see Formaldehyde solution						
62608	**Formamide** PROSYNTH® *Formamide / Formamida* $HCONH_2$ CH_3NO $M = 45{,}04$ g/mol **1 L ≈ 1,13 kg** assay (GC) ..... 99% boiling range (at 27 mbar) ..... 109–111 °C refractive index (n_D^{20}) ..... 1,447 R: 36/37/38 S: 28 disposal: 19	FL. 2925	2,5 L	33,25	27,60	25,95	2
63488	**Formamidine acetate** PROSYNTH® *Formamidine acétate / Formamidina acetato* $HN=CHNH_2 \cdot CH_3COOH$ $C_3H_8N_2O_2$ $M = 104{,}11$ g/mol assay (ex N) ..... 99% melting range ..... 161–163 °C	WG. 2925	100 g	36,–	30,60	28,80	2
	Formdimethylamide see Dimethylformamide						
35854 A 6.1/81D C 6.1 /. 2	**Formetanate hydrochloride** min. 99% PESTANAL® (3-Dimethylaminomethyleneiminophenyl-N-methylcarbamate hydrochloride) *Formétanate chlorhydrate / Formetanato clorhidrato* $\underline{CH=CHCH=C(OCONHCH_3)CH=C}N=CHN(CH_3)_2 \cdot HCl$ $C_{11}H_{16}ClN_3O_2$ $M = 257{,}72$ g/mol R: 26/27/28 S: 1-13-45 disposal: 7	FL. 2925	1 g	21,50	18,30	17,20	

refer explanations

e-Number / D/ADR / GVE/GGVS / DG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
15 21B 1779 2	**Formic acid** 98—100%, R. G., Reag. ACS, Reag. Ph. Eur. I *Acide formique / Acido fórmico* HCOOH CH_2O_2 *M* = 46,03 g/mol **1 L ≈ 1,22 kg** assay ..... min. 98% insoluble in water ..... max. 0,0001% non-volatile matter ..... max. 0,002% ammonium (NH_4) ..... max. 0,005% lead (Pb) ..... max. 0,00001% cadmium (Cd) ..... max. 0,00001% iron (Fe) ..... max. 0,0005% copper (Cu) ..... max. 0,00001% zinc (Zn) ..... max. 0,00001% acetate (CH_3COO) ..... max. 0,005% chloride (Cl) ..... max. 0,0005% oxalate (C_2O_4) ..... max. 0,005% sulphate (SO_4) ..... max. 0,002% sulphite (SO_3) ..... max. 0,001% R: 35 S: 2-23-26 disposal: 21	PF. PF. PKM. *2914*	500 ml 1 L 70 kg	12,— 21,50 kg	10,20 18,30 7,50	9,60 17,20	9,25 16,55
001 /21B 1779 2	**Formic acid** 98—100%, pure DAB 7 *Acide formique / Acido fórmico* HCOOH CH_2O_2 *M* = 46,03 g/mol **1 L ≈ 1,22 kg** assay ..... 99% non-volatile matter ..... 0,005% iron (Fe) ..... 0,001% heavy metals (as Pb) ..... 0,001% acetate (CH_3COO) ..... 0,01% chloride (Cl) ..... 0,001% oxalate (C_2O_4) ..... 0,01% sulphate (SO_4) ..... 0,005% sulphite (SO_3) ..... 0,01% R: 35 S: 2-23-26 disposal: 21	PF. PKM. PKM. PKM. *2914*	1 L 70 kg 5x 10x	19,25 kg kg kg	16,35 4,65 4,45 4,20	15,40	14,80
'002 3/21B 3 1779 2	**Formic acid** abt. 85%, pure *Acide formique / Acido fórmico* HCOOH CH_2O_2 *M* = 46,03 g/mol **1 L ≈ 1,20 kg** assay ..... 85% non-volatile matter ..... 0,005% iron (Fe) ..... 0,002% heavy metals (as Pb) ..... 0,002% chloride (Cl) ..... 0,002% sulphate (SO_4) ..... 0,005% R: 34 S: 2-23-26 disposal: 21	PF. PF. FPF. FPF. FPF. *2914*	1 L 2,5 L 70 kg 5x 10x	15,75 32,75 kg kg kg	13,40 27,20 4,40 4,20 3,95	12,60 25,55	12,15 24,55
	Formic acid methylamide see N-Methylformamide						
	Formol see Formaldehyde solution						
	2-Formylbenzoic acid see Phthalaldehydic acid						
	Formyldiethylamine see N,N-Diethylformamide						
	1-Formylnaphthalene see Naphthaldehyde-(1)						
	2-Formylnaphthalene see Naphthaldehyde-(2)						
	1-Formylpiperidine see 1-Piperidinecarbaldehyde						
	Fractonitril(II) see Ethylene glycol-bis-(2-cyanoethyl ether)						
	Fractonitril(III) see 1,2,3-Tris-(2-cyanoethoxy)-propane						
	Fractonitril(VI) see 1,2,3,4,5,6-Hexakis-(2-cyanoethoxyhexane)						
9361	**D-Fructose** BIOSYNTH® *D-Fructose / D-Fructosa* $C_6H_{12}O_6$ *M* = 180,16 g/mol	PF. PF. *2943*	100 g 250 g	11,— 23,25	9,35 19,75	8,80 18,60	8,25 17,45

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	(16
15760 ○	**D(-)-Fructose** chem. pure Ph. Eur. I, B. P. 1973, Ph. Franç. IX *D(-)-Fructose / D(-)-Fructosa* $C_6H_{12}O_6$ $M = 180{,}16$ g/mol	PF. PF. PF. K. *2943*	100 g 500 g 2,5 kg 25 kg	9,— 14,25 56,— price on request	7,65 12,10 46,50	7,20 11,40 43,70	1 4
39362	**D-Fructose-1,6-diphosphoric acid trisodium salt** BIOSYNTH® *Acide D-fructose-diphosphorique-1-6-, sel trisodique / Acido D-fructosa-1,6-difosfórico, sal trisódica* $C_6H_{11}Na_3O_{12}P_2$ $M = 406{,}06$ g/mol	FL. *2919*	1 g	17,—	14,45	13,60	1
39363 A 6.1/71 C 6.1 1564 3	**D-Fructose-1-monophosphoric acid barium salt** BIOSYNTH® *Acide D-fructose-1-monophosphorique, sel de baryum / Acido D-fructosa-1-monofosfórico, sal de bario* $C_6H_{11}BaO_9P$ $M = 395{,}45$ g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 20/22 S: 28 disposal: 24	FL. *2919*	1 g	25,25	21,45	20,20	1
39138 A 6.1/71 C 6.1 1564 3	**D-Fructose-6-phosphoric acid barium salt** BIOSYNTH® *Acide D-fructose-6-phosphorique sel de baryum / Acido D-fructosa-6-fosfórico sal de bario* $OCOH(CH_2OH)CHOHCHOHCHCH_2OPO_3Ba$ $C_6H_{11}BaO_9P$ $M = 395{,}45$ g/mol assay (ex P) ..... 90% keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 20/22 S: 28 disposal: 24	FL. *2943*	1 g	23,75	20,20	19,—	1
	Fuchsin see Diamond fuchsin						
	Fuchsin acid see Rubin S						
	Fuchsine phenique see Carbol-fuchsin solution						
	Fuchsin S see Rubin S						
32878 A 3/5 C 3.2 1142 2 +11 °C	**Fuchsin solution** ethanolic, 2%, for microscopy *Fuchsine en solution / Fucsina en solución* 1 L ≈ 0,80 kg	FL. *3819*	250 ml	13,25	11,25	10,60	
39136	**D(+)-Fucose** BIOSYNTH® *D(+)-Fucose / D(+)-Fucosa* $CH_3CH(CHOH)_4O$ $C_6H_{12}O_5$ $M = 164{,}16$ g/mol specific rotation ($[\alpha]_D^{20}$; c = 10 in H_2O) ..... +74° ±2°	FL. *2943*	1 g	62,—	52,70	49,60	4
39137	**L(-)-Fucose** BIOSYNTH® *L(-)-Fucose / L(-)-Fucosa* $CH_3CH(CHOH)_4O$ $C_6H_{12}O_5$ $M = 164{,}16$ g/mol specific rotation ($[\alpha]_D^{20}$; c = 10 in H_2O) ..... −74° ±2	FL. *2943*	1 g	93,—	79,05	74,40	
	Fullers earth see Kaolin						
62609	**Fumaric acid** PROSYNTH® *Acide fumarique / Acido fumárico* HOOCCH = CHCOOH $C_4H_4O_4$ $M = 116{,}07$ g/mol assay (alkalimetric) .. 99%	PF. *2915*	1 kg	20,75	17,65	16,60	

refer explanations

de-Number ID/ADR GVE/GGVS MDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
595	**Fumaric acid disodium salt** PROSYNTH® *Acide fumarique sel disodique / Acido fumárico sal disódica* NaOOCCH=CHCOONa $C_4H_2Na_2O_4$ *M* = 160,04 g/mol assay 99%	WG. *2915*	500 g	21,50	18,30	17,20	16,55
		WG. *2915*	1 kg	35,75	30,40	28,60	27,55
596 .1/21A .1 1935 1	**Fumaronitrile** PROSYNTH® *Fumaroyle dinitrile / Acido fumárico dinitrilo* NCCH=CHCN $C_4H_2N_2$ *M* = 78,07 g/mol melting range ..... 93–95 °C	WG. *2927*	10 g	12,75	10,85	10,20	9,55
594 3/22 3 1760 2 77 °C	**Fumaryl chloride** PROSYNTH® *Fumaroyle dichlorure / Acido fumárico dicloruro* ClCOCH=CHCOCl $C_4H_2Cl_2O_2$ *M* = 152,96 g/mol **1 L ≈ 1,41 kg** assay (ex Cl) ..... 97% boiling range (at 15 mbar) ..... 56–58 °C refractive index (n_D^{20}) ..... 1,500 R: 34 S: 26 disposal: 21	FL. *2915*	50 ml	72,50	61,65	58,–	54,40
	Fungicides and bactericides see respective article. Complete range see appendix PESTANAL®						
	Furaldehyde see Furfural						
2610 3/1A 3.1 2389 1 0 °C	**Furan** PROSYNTH® stabilized with hydroquinone (0,5 g/l) *Furanne / Furano* OCH=CHCH=CH C_4H_4O *M* = 68,08 g/mol **1 L ≈ 0,94 kg** assay (GC) ..... 99% boiling range ..... 31–33 °C refractive index (n_D^{20}) ..... 1,421 R: 11 S: 9-16-33 disposal: 6	FL. *2935*	1 L	34,50	29,35	27,60	26,55
2611	**Furan-2-carboxylic acid** PROSYNTH® *Acide furanne-2-carboxylique / Acido furan-2-carboxílico* OCH=CHCH=CCOOH $C_5H_4O_3$ *M* = 112,08 g/mol assay (alkalimetric) ..... 98% melting range ..... 130–133 °C	PF. *2935*	250 g	85,50	72,70	68,40	64,15
5010	**Furan-3-carboxylic acid** PROSYNTH® *Acide furanne-3-carboxylique / Acido furano-3-carboxílico* CH=CHOCH=CCOOH $C_5H_4O_3$ *M* = 112,08 g/mol assay (alkalimetric) ..... 98% melting range ..... 120–123 °C	WG. *2935*	5 g	27,–	22,95	21,60	20,25
5012	**Furan-3,4-dicarboxylic acid** PROSYNTH® *Acide furanne-3-4-dicarboxylique / Acido furano-3,4-dicarboxílico* HOOCC=CHOCH=CCOOH $C_6H_4O_5$ *M* = 156,10 g/mol assay (alkalimetric) ..... 99% melting range ..... 213–215 °C	WG. *2935*	10 g	30,75	26,15	24,60	23,05

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62613 A 3/3 C 3.3 1993 2	**Furanmethanethiol-(2)** PROSYNTH® *Furanneméthanethiol-(2) / Furanmetanotiol-(2)* QCH=CHCH=CCH$_2$SH C_5H_6OS M = 114,17 g/mol **1 L ≈ 1,13 kg** assay (GC) ..... 99% boiling range ..... 162–164 °C refractive index (n_D^{20}) ..... 1,531 R: 10-20/21/22 disposal: 15	FL. *2935*	100 ml	39,25	33,35	31,40	29
33219 A 3/4 C 3.3 1199 2 +60 °C	**Furfural** (Furfurol) R. G., Reag. Ph. Eur. I *Furfurol / Furfurol* QCH=CHCH=CCHO $C_5H_4O_2$ M = 96,09 g/mol **1 L ≈ 1,16 kg** assay (iodometric) ..... min. 98% boiling range ..... 161–163 °C density (D_4^{20}) ..... 1,158–1,160 refractive index (n_D^{20}) ..... 1,5240–1,5260 water ..... max. 0,05% sulphated ash ..... max. 0,005% R: 23/25 S: 24/25-44 disposal: 6	FL. FL. *2935*	25 ml 100 ml	11,– 22,–	9,35 18,70	8,80 17,60	8 16
15517 A 3/4 C 3.3 1199 2 +60 °C	**Furfural** (Furfurol) pure *Furfurol / Furfurol* QCH=CHCH=CCHO $C_5H_4O_2$ M = 96,09 g/mol **1 L ≈ 1,16 kg** boiling range ..... 160–163 °C density (D_4^{20}) ..... 1,158–1,160 refractive index (n_D^{20}) ..... 1,5240–1,5260 sulphated ash ..... 0,01% R: 23/25 S: 24/25-44 disposal: 6	FL. STP. *2935*	1 L 30 kg	35,– price on request	29,75	28,–	26
64074 *2935*	**Furfuralacetone** PROSYNTH® *Furfuralacétone / Furfuralacetona* QCH=CHCH=CCH=CHCOCH$_3$ $C_8H_8O_2$ M = 136,15 g/mol assay (GC) ..... 99% melting range ..... 37–39 °C	FL. *2935*	5 g	26,25	22,30	21,–	19
64075 *2935*	**Furfuramide** PROSYNTH® *Furfuramide / Furfuramida* (QCH=CHCH=CCH=N)$_2$CHC=CHCH=CHO $C_{15}H_{12}N_2O_3$ M = 268,27 g/mol melting range ..... 115–119 °C	WG. *2935*	100 g	45,–	38,25	36,–	33
62615 A 6.1/13A C 6.1 2810 3 +75 °C	**Furfuryl alcohol** PROSYNTH® *Alcool furfurylique / Alcohol furfurílico* QCH=CHCH=CCH$_2$OH $C_5H_6O_2$ M = 98,10 g/mol **1 L ≈ 1,13 kg** assay (GC) ..... 98% boiling range (bei 1000 mbar) ..... 169–170 °C refractive index (n_D^{20}) ..... 1,486 R: 20/21/22 disposal: 6	FL. *2935*	1 L	30,75	26,15	24,60	23
62616 A 8/35 C 3.3 2526 2 +37 °C	**2-Furfurylamine** PROSYNTH® *2-Furfurylamine / 2-Furfurilamina* QCH=CHCH=CCH$_2$NH$_2$ C_5H_7NO M = 97,12 g/mol **1 L ≈ 1,05 kg** assay (GC) ..... 97% boiling range ..... 145–147 °C refractive index (n_D^{20}) 1,490	FL. *2935*	1 L	102,–	86,70	81,60	78

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98	**α-Furildioxime** R. G. *α-Furildioxime / α-Furildioxima* QCH=CHCH=CC(NOH)C(NOH)C=CHCH=CHQ $C_{10}H_8N_2O_4$ M = 220,18 g/mol	FL. 2929	1 g	21,50	18,30	17,20	16,15
	2-Furoic acid see Furan-2-carboxylic acid						
97 22 1760 2	**2-Furoyl chloride** PROSYNTH® *Furoyle 2-chlorure / 2-Furoilo cloruro* QCH=CHCH=CCOCl $C_5H_3ClO_2$ M = 130,53 g/mol 1 L ≈ 1,33 kg assay (ex Cl) ..... 98% boiling range (at 15 mbar) ..... 67–69 °C	FL. 2935	25 ml	34,50	29,35	27,60	25,90
89	**3-(2-Furyl)acrylic acid** PROSYNTH® *Acide 3-(2-furyl)acrylique / Acido 3-(2-furil)acrílico* QCH=CHCH=CCH=CHCOOH $C_7H_6O_3$ M = 138,12 g/mol assay (alkalimetric) ..... 98% melting range ..... 140–141 °C	WG. 2935	25 g	15,50	13,20	12,40	11,65
	1-[Furyl-(2)]butene-(1)-on-(3) see Furfuralacetone						
	Fusion mixure see Potassium carbonate–sodium carbonate						
565	**Gadolinium** powder *Gadolinium / Gadolinio* Gd M = 157,25 g/mol assay 99%	FL. 2805	1 g	32,50	27,65	26,–	24,40
566 .1 1477 2	**Gadolinium nitrate-5-hydrate** *Gadolinium nitrate-5-hydrate / Gadolinio nitrato-5-hidrato* $Gd(NO_3)_3 \cdot 5H_2O$ M = 433,34 g/mol	WG. 2852	10 g	47,50	40,40	38,–	35,65
567	**Gadolinium oxide** *Gadolinium oxyde / Gadolinio óxido* Gd_2O_3 M = 362,50 g/mol assay 99%	WG. 2852	10 g	34,50	29,35	27,60	25,90
139	**D-Galactosamine hydrochloride** BIOSYNTH® *D-Galactosamine chlorhydrate / D-Galactosamina clorhidrato* $HOCH_2CH(CHOH)_2CH(NH_2)CH(OH)O \cdot HCl$ $C_6H_{14}ClNO_5$ M = 215,63 g/mol specific rotation ($[\alpha]_D^{20}$; c=1 in H_2O) ..... +96° ± 1°	FL. 2923	1 g	95,–	80,75	76,–	71,25
364	**D(+)-Galactose** BIOSYNTH® *D(+)-Galactose / D(+)-Galactosa* O(CHOH)$_4$CHCH$_2$OH $C_6H_{12}O_6$ M = 180,16 g/mol	PF. 2943	25 g	22,–	18,70	17,60	16,50
5522	**D(+)-Galactose** chem. pure *D(+)-Galactose / D(+)-Galactosa* O(CHOH)$_4$CHCH$_2$OH $C_6H_{12}O_6$ M = 180,16 g/mol specific rotation ($[\alpha]_D^{20}$, c=10 in H_2O + 0,2 ml 3N NH_4OH) .. + 79° to + 81,3° loss on drying (105 °C) ..... 0,01% sulphated ash ..... 0,05% calcium (Ca) ..... 0,002% heavy metals (as Pb) ..... 0,0005% chloride (Cl) ..... 0,005% sulphate (SO_4) 0,01%	PF. PF. PF. FTP. 2943	100 g 250 g 1 kg 25 kg	24,– 52,50 172,– price on request	20,40 44,65 146,20	19,20 42,– 137,60	18,– 39,40 132,45

Code-Number
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C) IMDG-CODE (GGVSee)

Code-Number		Type of package B.T.N.	Price per package DM	1x	6x	24x
39143	**D(+)-Galacturonic acid monohydrate BIOSYNTH®** *Acide D(+)-galacturonique monohydraté / Acido D(+)-galacturónico monohidrato* $HOOCCH(CHOH)_4O \cdot H_2O$ $C_6H_{10}O_7 \cdot H_2O$ $M = 212.16$ g/mol	WG *2916*	5 g	35.75	30.40	28.6
27645	**Gallic acid** chem. pure cryst. DAB 6 *Acide gallique / Acido gálico* $(OH)_3C_6H_2COOH[3,4,5,1]$ $C_7H_6O_5 \cdot H_2O$ $M = 188.14$ g/mol loss on drying (100 °C) ..... 10% residue on ignition ..... 0.05% chloride (Cl) ..... 0.005% sulphate (SO_4) ..... 0.01% tannic acid ..... passes test	WG WG FTP *2916*	250 g 500 g 50 kg	20.— 36.25 kg	17.— 30.80 31.—	16. 29.
10423 C 6.1 2811 3	**Gallium** *Gallium / Galio* Ga $M = 69.72$ g/mol assay 99%	WG *2804*	10 g	209.—	177.65	167.2
10424 A 6.1/81H C 6.1 2811 2	**Gallium(III) chloride** *Gallium(III) chlorure / Galio(III) cloruro* $GaCl_3$ $M = 176.08$ g/mol assay 99%	FL *2830*	10 g	178.—	151.30	142.4
10426 C 5.1 1477 2	**Gallium(III) nitrate-9-hydrate** *Gallium(III) nitrate-9-hydrate / Galio(III) nitrato-9-hidrato* $Ga(NO_3)_3 \cdot 9H_2O$ $M = 417.87$ g/mol assay 99%	WG *2839*	10 g	149.50	127.10	119.6
10427	**Gallium(III) oxide** *Gallium(III) oxyde / Galio(III) óxido* Ga_2O_3 $M = 187.44$ g/mol assay 99%	WG *2828*	10 g	178.—	151.30	142.4
39552	**Gas-Chrom® Q** 0,125—0,150 mm (100—120 mesh ASTM) for gas chromatography *Gas-Chrom® Q / Gas-Chrom® Q*	WG *3819*	50 g	160.—	136.—	128.—
39551	**Gas-Chrom® Q** 0,150—0,180 mm (80—100 mesh ASTM) for gas chromatography *Gas-Chrom® Q / Gas-Chrom® Q*	WG *3819*	50 g	160.—	136.—	128.—
39550	**Gas-Chrom® Q** 0,180—0,250 mm (60—80 mesh ASTM) for gas chromatography *Gas-Chrom® Q / Gas-Chrom® Q*	WG *3819*	50 g	137.50	116.90	110.—
33223	**Gelatine** sheet Ia for bacteriology, Reag. Ph. Eur. I *Gélatine / Gelatina* loss on drying (105 °C) ..... max. 15% sulphated ash ..... max. 2,5% heavy metals (as Pb) ..... max. 0,005% sulphur dioxide (SO_2) ..... max. 0,05%	P. *3503*	1 kg	79.50	67.60	63.6
18808	**Gelatine** sheet white superfine "Gold extra" DAB 8 *Gélatine / Gelatina*	P. *3503*	1 kg	71.—	60.35	56.8
18807	**Gelatine** powder "Gold normal" *Gélatine / Gelatina*	PF. PF. S. *3503*	500 g 2.5 kg 50 kg	21.50 77.50 kg	18.30 64.35 16.—	17.20 60.45
20817	**GELETOL®** (Formaldehyde gelatine) (hardened gelatine for the quicker disintegration of tablets)	*3904*				
	Gelose see Agar-Agar					

refer explanations

mber GVS ODE (GGVSee)	Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
Genamin® see -Octylamine, Hexadecylamine, Dodecylamine, Octadecylamine Genamin® = trade marke of Hoechst AG	PF. FTP.	1 kg 50 kg	101,50	86,30 price on request	81,20	78,15
Genite min 99% PESTANAL® (2,4-Dichlorophenylbenzenesulfonate) 5 3 $C_6H_3S(O)_2OC_6H_3Cl_2$ $C_{12}H_8Cl_2O_3S$ M = 303,16 g/mol.	FL. *2921*	1 g	28,25	24,—	22,60	21,20
Gentian violet for microscopy (C. I. No. 42535, S. No. 783) *Violet de gentiane / Violeta de genciana*	WG. WG.	50 g 100 g	10,50 18,75	8,95 15,95	8,40 15,—	7,90 14,05
Gentian violet phenique see Carbol gentian-violet solution	WG. *3205*	250 g	42,25	35,90	33,80	31,70
β-Gentiobiose BIOSYNTH® *β-Gentiobiose / β-Gentiobiosa* package of 250 mg $C_{12}H_{22}O_{11}$ M = 342,30 g/mol	*2943*	1 pack	24,—	20,40	19,20	18,—
Gentisinic acid see 2,5-Dihydroxybenzoic acid						
Geraniol PROSYNTH® *Géraniol / Geraniol* $(CH_3)_2C=CHCH_2CH_2C(CH_3)=CHCH_2OH$ $C_{10}H_{18}O$ M = 154,25 g/mol 1 L ≈ 0,88 kg assay (GC) ..... 98% boiling range (at 24 mbar) ..... 119—121 °C refractive index 1,477	FL. *2904*	100 ml	24,75	21,05	19,80	18,55
Gerber see Amyl alcohol for milk testing according to Gerber						
Germanium *Germanium / Germanio* Ge M = 72,59 g/mol assay 99%	WG. *8104*	10 g	61,50	52,30	49,20	46,15
Germanium(IV) chloride PROSYNTH® *Germanium(IV) chlorure / Germanio(IV) cloruro* 9 2 $GeCl_4$ M = 214,40 g/mol 1 L ≈ 1,88 kg assay (ex Cl) ..... 99% boiling range ..... 82—84 °C R: 36/37/38 S: 26 disposal: 24	FL. *2830*	25 g	100,50	85,45	80,40	75,40
Germanium(IV) oxide *Germanium(IV) oxyde / Germanio(IV) óxido* GeO_2 M = 104,59 g/mol assay 99%	WG. *2828*	10 g	43,75	37,20	35,—	32,80
Gibberellic acid PROSYNTH® *Acide gibbérellique / Acido giberélico* — $C_{19}H_{22}O_6$ M = 346,38 g/mol assay (alkalimetric) ..... 95% melting range ..... 233—235 °C spec. rotation ($[\alpha]_D^{20}$ c = 2,1 in C_2H_5OH) ..... +83° ± 3°	FL. *2935*	1 g	65,50	55,70	52,40	49,15
Giemsa see Azur eosin methylene-blue according to Giemsa						
Girard's reagent T PROSYNTH® *Réactif T d'après Girard / Reactivo T según Girard* $(CH_3)_3N(Cl)CH_2CONHNH_2$ $C_5H_{14}ClN_3O$ M = 167,64 g/mol assay (argentometric) ..... 99% melting range ..... 187—190 °C	WG. *2929*	100 g	29,—	24,65	23,20	21,75

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	
18406	**Glass beads** diameter abt. 5 mm *Boules de verre / Bolas de vidrio*	PF. *7003*	500 g	15,—	12,75	12,—	
	Glass etching powder see Etching powder						
18421	**Glass wool** *Coton de verre / Lana de vidrio* carton of 500 g soluble in hydrochloric acid ..... 0,8% alkality (as Na_2O) ..... 0,1% heavy metals (as Pb) 0,001%	*7020*	1 pack	22,75	19,35	18,20	
18422	**Glass wool** *Coton de verre / Lana de vidrio* carton of 1 kg soluble in hydrochloric acid ..... 0,8% alkality (as Na_2O) ..... 0,1% heavy metals (as Pb) 0,001%	*7020*	1 pack	41,50	35,30	33,20	3
18423	**Glass wool** *Coton de verre / Lana de vidrio* carton of 5 kg soluble in hydrochloric acid ..... 0,8% alkality (as Na_2O) ..... 0,1% heavy metals (as Pb) 0,001%	*7020*	1 pack	163,—	138,55	130,40	12
	Glauber salt see Sodium sulphate-10-hydrate						
39141	**D(+)-Gluconic acid-δ-lactone** BIOSYNTH® *Acide D(+)-gluconique-δ-lactone / Acido D(+)-glucónico-δ-lactona* $HOCH_2\underline{CH(CHOH)_3COO}$ $C_6H_{10}O_6$ $M = 178{,}14$ g/mol melting range ..... 153—155 °C specific rotation ($[\alpha]_D^{20}$; c=4 in H_2O) ..... +64° ±1°	PF. *2935*	500 g	22,—	18,70	17,60	1
64784	**Gluconic acid potassium salt** PROSYNTH® *Acide gluconique sel potassique / Acido glucónico sal potásica* $CH_2OH(CHOH)_4COOK$ $C_6H_{11}KO_7$ $M = 234{,}25$ g/mol assay 98%	WG. *2916*	500 g	54,—	45,90	43,20	4
62620	**Gluconic acid sodium salt** PROSYNTH® *Acide gluconique sel sodique / Acido glucónico sal sódica* $CH_2OH(CHOH)_4COONa$ $C_6H_{11}NaO_7$ $M = 218{,}14$ g/mol assay 98%	PF. *2916*	1 kg	22,75	19,35	18,20	1
39144	**α-D(+)-Glucosamine hydrochloride** BIOSYNTH® *α-D(+)-Glucosamine chlorhydrate / α-D(+)-Glucosamina clorhidrato* $HOCH_2\underline{CH(CHOH)_2CH(NH_2)CH(OH)O} \cdot HCl$ $C_6H_{14}ClNO_5$ $M = 215{,}63$ g/mol assay (ex Cl) ..... 99% specific rotation ($[\alpha]_D^{20}$; c=1 in H_2O) ..... +71° ±2°	PF. *2943*	100 g	40,75	34,65	32,60	3

-Number /ADR VE/GGVS OG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
91	**D(+)-Glucose monohydrate** pure Ph. Eur. I, B. P. 1973, Ph. Franç. IX *D(+)-Glucose monohydraté / D(+)-Glucosa monohidrato* $O(CHOH)_4CHCH_2OH \cdot H_2O$ $C_6H_{12}O_6 \cdot H_2O$ *M* = 198,17 g/mol specific rotation ($[\alpha]_D^{20}$, c = 10 in H_2O + 0,05 ml 6N NH_4OH) ..... + 52,5° to + 53,0° water (according to Karl Fischer) ..... 9% sulphated ash ..... 0,05% alkalinely or acidly reacting impurities ..... passes test arsenic (As) ..... 0,00005% barium (Ba) ..... passes test lead (Pb) ..... 0,00003% calcium (Ca) ..... 0,002% heavy metals (as Pb) ..... 0,0005% chloride (Cl) ..... 0,005% sulphate (SO_4) ..... 0,01% sulphite (SO_3) ..... passes test foreign sugars, soluble starch, dextrins ..... passes test	PF. PF. S. FTP. *1702*	1 kg 5 kg 50 kg 50 kg	12,75 41,50 price on request price on request	10,85 34,45	10,20 32,35	9,80 31,15
47 1/71 1 1564 3	**D-Glucose-6-phosphoric acid barium salt** BIOSYNTH® *Acide D-glucose-6-phosphorique sel de baryum / Acido D-glucosa-6-fosfórico sal de bario* $BaO_3POCH_2CH(CHOH)_4O \cdot 7H_2O$ $C_6H_{11}BaO_9P \cdot 7H_2O$ *M* = 521,56 g/mol assay (ex P) ..... 98% specific rotation ($[\alpha]_D^{20}$; c = 5 in HCl 1 mol/l) . +21° ± 1° keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 20/22 S: 28 disposal: 24	FL. *2943*	1 g	37,75	32,10	30,20	28,30
146	**D-Glucose-1-phosphoric acid disodium salt** BIOSYNTH® *Acide D-glucose-1-phosphorique sel disodique / Acido D-glucosa-1-fosfórico sal disódica* $HOCH_2CH(CHOH)_3CH(OPO_3Na_2)O$ $C_6H_{11}Na_2O_9P \cdot 4H_2O$ *M* = 376,16 g/mol assay (ex P) ..... 96% keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	WG. *2919*	10 g	34,50	29,35	27,60	25,90
140	**D(+)-Glucuronic acid-γ-lactone** BIOSYNTH® *Acide D(+)-glucuronique-γ-lactone / Acido D(+)-glucurónico-γ-lactona* $OHCCH(OH)CH(CHOH)_2COO$ $C_6H_8O_6$ *M* = 176,13 g/mol melting range ..... 176–180 °C specific rotation ($[\alpha]_D^{20}$; c = 10 in H_2O) ..... + 18° ± 1°	PF. *2935*	25 g	20,50	17,45	16,40	15,40
012	**D(–)-Glutamic acid** BIOSYNTH® *Acide D(–)-glutamique / Acido D(–)-glutámico* $HOOCCH_2CH_2CH(NH_2)COOH$ $C_5H_9NO_4$ *M* = 147,13 g/mol assay (ex N) ..... 99% specific rotation ($[\alpha]_D^{20}$; c = 10 in HCl 2 mol/l) –31° ± 1°	WG. *2923*	25 g	212,–	180,20	169,60	159,–
191	**DL-Glutamic acid** BIOSYNTH® *Acide DL-glutamique / Acido DL-glutámico* $HOOCCH_2CH_2CH(NH_2)COOH$ $C_5H_9NO_4$ *M* = 147,13 g/mol assay (ex N) 98%	WG. *2923*	25 g	24,75	21,05	19,80	18,55
367	**L(+)-Glutamic acid** BIOSYNTH® *Acide L(+)-glutamique / Acido L(+)-glutámico* $HOOC(CH_2)_2CH(NH_2)COOH$ $C_5H_9NO_4$ *M* = 147,13 g/mol	WG. WG. WG. *2923*	100 g 250 g 1 kg	14,50 32,75 109,–	12,35 27,85 92,65	11,60 26,20 87,20	10,90 24,55 83,95

PANPEHA® universal indicator paper in strips

Code-Number A) BIOLOAD B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)
27647	**L(+)-Glutamic acid** *Acide L(+)-glutamique / Acido L(+)-glutamico* $HOOC(CH_2)_2CH(NH_2)COOH$ $C_5H_9NO_4$ $M = 147.13$ g/mol assay ..... 99% specific rotation ($[\alpha]_D^{20}$, c = 10 in 1 N HCl) ..... +31° ±1° loss on drying (105 °C) 0.2%	PF PF 2923	250 g 1 kg	14.50 43.—	12.35 36.55	11.60 34.40
39013	**L(+)-Glutamic acid hydrochloride BIOSYNTH®** *Acide L(+)-glutamique chlorhydrate / Acido L(+)-glutámico clorhidrato* $HOOCCH_2CH_2CH(NH_2)COOH \cdot HCl$ $C_5H_{10}ClNO_4$ $M = 183.59$ g/mol assay (ex N) 99% specific rotation ($[\alpha]_D^{20}$; c = 6 in H_2O) ..... +24° ±1°	PF. 2923	250 g	32.—	27.20	25.60
	Glutamic acid, sodium salt see Sodium-L-glutaminate					
15668	**Glutardialdehyde disodium hydrogen sulphite** *Dialdéhyde glutarique disodium hydrogénosulfite / Glutardialdehido disodio hydrógeno-sulfito* $CH_2[CH_2CH(OH)SO_3Na]_2$ $C_5H_{10}Na_2O_8S_2$ $M = 308.24$ g/mol	PF. 2923	1 g	price on request		
60487	**Glutardialdehyde solution 50% PROSYNTH®** *Dialdéhyde glutarique en solution / Glutardialdehido en solución* $OHC(CH_2)_3CHO$ $C_5H_8O_2$ $M = 100.12$ g/mol 1 L ≈ 1.09 kg assay 50%	PF. 2911	1 L	43.25	36.75	34.60
62621	**Glutardialdehyde solution PROSYNTH® 25% in water** *Dialdehyde glutarique en solution / Glutardialdehido en solución* $OCH(CH_2)_3CHO$ $C_5H_8O_2$ $M = 100.12$ g/mol 1 L ≈ 1.06 kg assay 25%	PF. 2911	1 L	24.—	20.40	19.20
64604	**Glutaric acid PROSYNTH®** *Acide glutarique / Acido glutárico* $HOOC(CH_2)_3COOH$ $C_5H_8O_4$ $M = 132.12$ g/mol assay (alkalimetric) ..... 99% melting range ..... 94–96 °C	WG. 2915	100 g	26.50	22.55	21.20
64605	**Glutaric anhydride PROSYNTH®** *Anhydride glutarique / Anhidrido glutárico* $OC(CH_2)_3COO$ $C_5H_6O_3$ $M = 114.10$ g/mol assay ..... 96% melting range ..... 50–53 °C	WG. WG. 2915	250 g 1 kg	30.75 102.—	26.15 86.70	24.60 81.60
62624 A 6.1/21 C 6.1 1935 1	**Glutarodinitrile PROSYNTH®** *Glutarodinitrile / Glutarodinitrilo* $NC(CH_2)_3CN$ $C_5H_6N_2$ $M = 94.12$ g/mol 1 L ≈ 1.00 kg assay (GC) 97%	FL. 2927	100 ml	74.50	63.35	59.60
39084	**L-Glutathione BIOSYNTH® (oxidised)** *L-Glutathione / L-Glutation* $C_{20}H_{32}N_6O_{12}S_2$ $M = 612.64$ g/mol	FL. 2931	1 g	93.—	79.05	74.40
39085	**L-Glutathione BIOSYNTH® (reduced)** *L-Glutathione / L-Glutation* $C_{10}H_{17}N_3O_6S$ $M = 307.33$ g/mol	FL. 2931	1 g	14.50	12.35	11.60

refer explanations

...mber / ...VS / ...DE (GGVSee)	Type of package / B.T.N	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
L(-)Glyceraldehyde BIOSYNTH®	FL.	1 g	62,50	53,15	50,—	46,90
L(-)-Glycérol aldéhyde / L(-)-Glicerina aldehido	2911					
$HOCH_2CH(OH)CHO$						
$C_3H_6O_3$ $M = 90,08$ g/mol						
keep in refrigerator						
à stocker dans le frigidaire						
almacenaje en la nevera						
D(+)-Glyceraldehyde PROSYNTH® (90% aqueous solution)	FL.	1 g	53,50	45,50	42,80	40,15
D(+)-Glycérol aldéhyde / D(+)-Glicerina aldehido	2911					
$HOCH_2CH(OH)CHO$						
$C_3H_6O_3$ $M = 90,08$ g/mol						
assay 90%						
spec. rotation ($[\alpha]^{20}_{D}$, c = 2 in H_2O) ..... +12° ± 2°						
DL-Glyceraldehyde BIOSYNTH®	WG.	5 g	35,50	30,20	28,40	26,65
DL-Glycérol aldehyde / DL-Glicérina aldehido	2911					
$HOCH_2CH(OH)CHO$						
$C_3H_6O_3$ $M = 90,08$ g/mol						
keep in refrigerator						
à stocker dans le frigidaire						
almacenaje en la nevera						
○ **Glycerol** 98%, chem. pure, Ph. Eur. I, B. P. 1973, Ph. Franç. IX	PF.	1 L	38,25	32,50	30,60	29,45
Glycérol / Glicerina	PK.	5 L	163,—	135,30	127,15	122,25
$(CH_2OH)_2CHOH$	F.	70 kg	kg	9,15		
$C_3H_8O_3$ $M = 92,09$ g/mol 1 L ≈ 1,26 kg	F.	5x	kg	8,65		
assay 98%	F.	70x	kg	8,15		
density (D^{20}_{20}) 1,258–1,263	1511					
refractive index (n^{20}_{D}) 1,4700–1,4740						
sulphated ash 0,01%						
acidly or alkalinely reacting impurities ..... passes test						
arsenic (As) 0,00005%						
iron (Fe) 0,0001%						
heavy metals (as Pb) 0,0001%						
chloride (Cl) 0,0005%						
sulphate (SO_4) 0,005%						
ester ..... passes test						
halogen compounds ..... passes test						
reducing impurities ..... passes test						
sugar ..... passes test						
Glycerol 86–88%, R. G., Reag. Ph. Eur. I	PF.	500 ml	26,—	22,10	20,80	20,—
Glycérol / Glicerina	PF.	1 L	44,—	37,40	34,30	32,55
$(CH_2OH)_2CHOH$	PK.	5 L	187,—	155,20	145,85	140,25
$C_3H_8O_3$ $M = 92,09$ g/mol 1 L ≈ 1,23 kg	FPF.	70 kg	kg	15,25		
assay 86–88%	1511					
density (D^{20}_{20}) 1,224–1,230						
refractive index (n^{20}_{D}) 1,4520–1,4550						
sulphated ash ..... max. 0,01%						
free acid (as CH_3COOH) ..... max. 0,003%						
ammonium (NH_4) ..... max. 0,0005%						
iron (Fe) ..... max. 0,00005%						
heavy metals (as Pb) ..... max. 0,0001%						
chloride (Cl) ..... max. 0,0001%						
sulphate (SO_4) ..... max. 0,0005%						
arsenic (As) ..... max. 0,00004%						
fatty acid ester (as glycerol tributyrate) ..... max. 0,05%						
other organic matters (as $CH_2=CHCHO$) ..... max. 0,005%						
matters reducing ammoniated silver solution (as $CH_2=CHCHO$) ..... max. 0,005%						

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	9 (18 B
15524	○ **Glycerol** 86—88%, chem. pure Ph. Eur. I *Glycérol / Glicerina* $(CH_2OH)_2CHOH$ $C_3H_8O_3$ M = 92,09 g/mol **1 L ≈ 1,23 kg** assay ... 86—88% density (D_{20}^{20}) ... 1,224—1,230 refractive index (n_D^{20}) ... 1,4520—1,4550 sulphated ash ... 0,01% acidly or alkalinely reacting impurities ... passes test arsenic (As) ... 0,00005% iron (Fe) ... 0,0001% heavy metals (as Pb) ... 0,0001% chloride (Cl) ... 0,0005% sulphate (SO_4) ... 0,005% ester ... passes test halogen compounds ... passes test reducing impurities ... passes test sugar ... passes test	PF. PK. F. F. F. *1511*	1 L 5 L 70 kg 5x 10x	36,75 151,— kg kg kg	31,25 125,35 7,80 7,30 6,90	29,40 117,80	28 113
	Glycerol diacetate see Diacetin						
	Glycerol-α-(2-methoxyphenol)-ether see Guaiacolglycerol ether						
63494	**Glycerol-1-monoacetate** PROSYNTH® *Glycérol-1-monoacétate / Glicerina-1-monoacetato* $CH_3COOCH_2CH(OH)CH_2OH$ $C_5H_{10}O_4$ M = 134,13 g/mol **1 L ≈ 1,21 kg**	FL. *2914*	250 ml	32,50	27,65	26,—	2
	Glycerol-α-monochlorhydrin see 3-Chloropropanediol-(1,2)						
	Glycerol-1-octadecyl ether see Batyl alcohol						
39371	**Glycerol triacetate** BIOSYNTH® *Glycérol triacétate / Glicerina triacetato* $CH_3COOCH_2CH(OCOCH_3)CH_2OCOCH_3$ $C_9H_{14}O_6$ M = 218,21 g/mol **1 L ≈ 1,16 kg**	FL. FL. *2914*	250 ml 1 L	5,75 44,75	13,40 38,05	12,60 35,80	1 3
	Glycerol tributyrate see Tributyrin						
39108	**Glycinamide hydrochloride** BIOSYNTH® *Glycinamide chlorhydrate / Glicinamida clorhidrato* $NH_2CH_2CONH_2 \cdot HCl$ $C_2H_7ClN_2O$ M = 110,54 g/mol assay (ex N) ... 99%	WG. *2923*	10 g	24,—	20,40	19,20	1
33226	**Glycine** R. G., buffer substance *Glycine / Glicina* NH_2CH_2COOH $C_2H_5NO_2$ M = 75,07 g/mol assay ... min. 99% melting range ... 235—245 °C sulphated ash ... max. 0,05% ammonium (NH_4) ... max. 0,02% iron (Fe) ... max. 0,0005% heavy metals (as Pb) ... max. 0,001% chloride (Cl) ... max. 0,0005% sulphate (SO_4) ... max. 0,002% water (according to Karl Fischer) ... max. 0,2%	PF. PF. PF. *2923*	100 g 250 g 1 kg	11,50 22,75 72,50	9,80 19,35 61,65	9,20 18,20 58,—	5
60172	**Glycine** PROSYNTH® (aminoacetic acid) *Glycine / Glicina* NH_2CH_2COOH $C_2H_5NO_2$ M = 75,07 g/mol assay ... 99%	PF. PF. *2923*	500 g 2,5 kg	16,50 65,50	14,05 54,35	13,20 51,10	

refer explanations

-Number /ADR /E/GGVS G-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
27	**Glycine** U. S. P. XIX *Glycine / Glicina* NH_2CH_2COOH $C_2H_5NO_2$ $M = 75{,}07$ g/mol assay (dried substance) ..... 99% melting range ..... 235–245 °C water (according to Karl Fischer) ..... 0,1% sulphated ash ..... 0,05% iron (Fe) ..... 0,0005% heavy metals (as Pb) ..... 0,001% chloride (Cl) ..... 0,005% sulphate (SO_4) 0,005%	PF. PF. PF. FTP. FTP. *2923*	500 g 1 kg 2,5 kg 25 kg 50 kg	16,– 28,75 60,– price on request price on request	13,60 24,45 49,80	12,80 23,– 46,80	12,30 22,15 45,–
27	**Glycine cresol red** indicator for complexometry *Rouge de glycine crésol / Rojo de glicina cresol* $C_{27}H_{27}N_2NaO_9S$ $M = 578{,}57$ g/mol	FL. *3205*	1 g	32,25	27,40	25,80	24,20
	Glycocoll see Glycine						
42	**Glycogen** BIOSYNTH® (out of oysters) *Glycogène / Glicógeno* residue on ignition ..... 2% keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	FL. *2943*	1 g	10,50	8,95	8,40	7,90
	Glycol see Ethylene glycol						
45	**Glycolaldehyde** dimer PROSYNTH® *Aldéhyde glycolique / Glicol aldehído* $HOCH_2CHO$ $C_2H_4O_2$ $M = 60{,}05$ g/mol assay ..... 99% melting range ..... 85–88 °C	FL. *2911*	1 g	42,–	35,70	33,60	31,50
74	**Glycollic acid** about 57% *Acide glycolique / Acido glicólico* $CH_2(OH)COOH$ $C_2H_4O_3$ $M = 76{,}05$ g/mol 1 L ≈ 1,33 kg total acid ..... 56–58% free acid ..... 52–54% sodium chloride (NaCl) ..... 12–14% heavy metals (as Pb) ..... 0,001% sulphate (SO_4) 0,005%	PF. PF. FPF. *2916*	1 L 2,5 L 35 kg	18,– 38,25 price on request	15,30 31,75	14,40 29,85	13,85 28,70
	Glycol monophenyl ether see 2-Phenoxyethanol						
09	**Glycylglycine** BIOSYNTH® *Glycylglycine / Glicilglicina* $NH_2CH_2CONHCH_2COOH$ $C_4H_8N_2O_3$ $M = 132{,}12$ g/mol assay (ex N) 99%	WG. *2923*	10 g	22,75	19,35	18,20	17,05
55	**Glyoxal-bis-(2-hydroxyanil)** R. G. *Glyoxal-bis-(2-hydroxyanil) / Glioxal-bis-(2-hidroxianil)* $HOC_6H_4NCHCHNC_6H_4OH$ $C_{14}H_{12}N_2O_2$ $M = 240{,}26$ g/mol assay (ex N) ..... min. 97% melting range ..... 198–200 °C sulphated ash ..... max. 0,1% suitability for determination of metals ..... passes test	WG. *2926*	25 g	27,25	23,15	21,80	20,45
	Glyoxaline see Imidazole						
20	**Glyoxal solution** abt. 40% *Glyoxal en solution / Glioxal en solución* OHCCHO $C_2H_2O_2$ $M = 58{,}04$ g/mol 1 L ≈ 1,27 kg assay ..... 40% density (D_4^{20}) ..... 1,268–1,273 R: 36/38 S: 26-28 disposal: 14	PF. PK. FPF. *2911*	1 L 5 L 70 kg	18,– 68,– price on request	15,30 56,45	14,40 53,05	13,85 51,–

PESTANAL® high purity pesticides, metabolites and solvents

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96 (16 Box
15519	**Glyoxal solution** abt. 30% *Glyoxal en solution / Glioxal en solución* OHCCHO $C_2H_2O_2$ *M* = 58,04 g/mol **1 L ≈ 1,20 kg** assay ..... 30% density (D_4^{20}) ..... 1,195–1,200 R: 36/38 S: 26-28 disposal: 14	PF. PK. *2911*	1 L 5 L	19,75 74,—	16,80 61,40	15,80 57,70	15, 55,
63495	**Glyoxylic acid monohydrate** PROSYNTH® *Acide glyoxylique monohydraté / Acido glioxílico monohidrato* OHCCOOH · H_2O $C_2H_2O_3 \cdot H_2O$ *M* = 92,05 g/mol assay (alkalimetric) ..... 98% melting range ..... 49–52 °C keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	WG. *2916*	100 g	27,—	22,95	21,60	20,
15580	**Glyoxylic acid solution** abt. 50% *Acide glyoxylique en solution / Acido glioxílico en solución* OHCCOOH $C_2H_2O_3$ *M* = 74,04 g/mol **1 L ≈ 1,42 kg**	PF. FPF. *2916*	1 L 70 kg	40,25	34,20 price on request	32,20	31,
39467	**Glyoxylic acid sodium salt** BIOSYNTH® *Acide glyoxylique, sel sodique / Acido glioxílico, sal sódica* OHCCOONa · H_2O $C_2HNaO_3 \cdot H_2O$ *M* = 114,03 g/mol	WG. *2916*	10 g	17,—	14,45	13,60	12,
38625	**0,100 g Gold** FIXANAL® water-soluble standard for atom absorption *0,100 g Or / 0,100 g Oro* ampoule	*3819*	1 pack	price on request			
38561	**1,00 g Gold** FIXANAL® watersoluble standard for atom absorption *1,00 g Or / 1,00 g Oro* ampoule	*3819*	1 pack	price on request			
	Gold chloride see Chloroauric acid						
	Graham salt see Sodium hexametaphosphate						
	Gram's solution see Carbol gentian-violet solution according to Gram						
15553	**Graphite** fine powder *Graphite / Grafito*	BL. *2504*	1 kg	15,50	13,20	12,40	11
	Grenacher's solution see Borax carmin solution according to Grenacher						
	Grignard' reagent see Magnesium turnings according to Grignard						
	Growth-promoting or controlling substance see appendix PESTANAL®						
23204	**Guaiacol** congealing point 27 °C and higher *Gaïacol / Guayacol* $C_6H_4(OH)(OCH_3)$ $C_7H_8O_2$ *M* = 124,14 g/mol **1 L ≈ 1,13 kg**	FL. *2908*	1 L	59,50	50,60	47,60	45
15170	**Guaiazulene** 100% pure cryst. *Gaïazulène / Guayazulen* $C_{15}H_{18}$ *M* = 198,31 g/mol congealing point ..... 29,6 °C	ALU. ALU. AL. *2901*	50 g 100 g 1 kg	38,75 75,— price on request	32,95 63,75	31,— 60,—	29 56

e-Number / D/ADR / SVE/GGVS / DG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
71	**Guaiazulene** 50% (dissolved in paraffin viscid) *Gaïazulène / Guayazulen* $C_{15}H_{18}$ M = 198,31 g/mol	ALU. ALU. AL. *3819*	100 g 500 g 1 kg	41,50 175,— price on request	35,30 148,75	33,20 140,—	31,15 134,75
72	**Guaiazulene** 25% soluble in water (dissolved in Cremophor® EL) *Gaïazulène / Guayazulen* ® = trade mark of BASF $C_{15}H_{18}$ M = 198,31 g/mol	ALU. ALU. AL. *3819*	100 g 500 g 1 kg	24,— 96,— price on request	20,40 81,60	19,20 76,80	18,— 73,90
182	**Guaiazulene** 25% powder (on Aerosil®) *Gaïazulène / Guayazulen*	FT. *2901*	500 g	175,—	148,75	140,—	134,75
331	**Guanidinium carbonate** PROSYNTH® *Guanidinium carbonate / Guanidinio carbonato* $[(NH_2)_2C=NH]_2 \cdot H_2CO_3$ $C_3H_{12}N_6O_3$ M = 180,17 g/mol assay (ex N) ..... 98% melting range ..... 196—198 °C (disint.)	PF. PF. *2926*	250 g 1 kg	13,25 38,25	11,25 32,50	10,60 30,60	9,95 29,45
332	**Guanidinium chloride** PROSYNTH® containing 0,3% anti-caking agent on SiO_2-basis *Guanidinium chlorure / Guanidinio cloruro* $(NH_2)_2C=NH \cdot HCl$ CH_6ClN_3 M = 95,53 g/mol assay ..... 99% melting range ..... 181—183 °C	PF. PF. *2926*	250 g 1 kg	10,— 26,25	8,50 22,30	8,— 21,—	7,50 20,20
333 1467 3	**Guanidinium nitrate** PROSYNTH® *Guanidinium nitrate / Guanidinio nitrato* $(NH_2)_2C=NH \cdot HNO_3$ $CH_6N_4O_3$ M = 122,08 g/mol assay ..... 99% melting range ..... 210—214 °C	PF. PF. *2926*	250 g 1 kg	8,25 19,—	7,— 16,15	6,60 15,20	6,20 14,65
1177	**Guanine** BIOSYNTH® *Guanine / Guanina* $C_5H_5N_5O$ M = 151,13 g/mol assay (UV) ..... 99% log ε/248 (HCl 0,1 mol/l) 4,056	WG. *2935*	10 g	24,—	20,40	19,20	18,—
1178	**Guanine hydrochloride** BIOSYNTH® *Guanine chlorhydrate / Guanina clorhidrato* $C_5H_6ClN_5O$ M = 187,59 g/mol assay (ex Cl) 99%	WG. *2935*	10 g	56,—	47,60	44,80	42,—
1230	**Guanosine** BIOSYNTH® *Guanosine / Guanosina* $C_{10}H_{13}N_5O_5$ M = 283,24 g/mol	WG. *2935*	10 g	13,—	11,05	10,40	9,75
1375	**Guanosine-5'-diphosphoric acid trisodium salt** BIOSYNTH® *Acide guanosinediphosphorique-5', sel trisodique / Acido guanosin-5'-difosfórico, sal trisódica* package of 25 mg $C_{10}H_{12}N_5Na_3O_{11}P_2$ M = 509,15 g/mol	*2919*	1 pack	76,50	65,05	61,20	57,40
1376	**Guanosine-5'-monophosphoric acid disodium salt** BIOSYNTH® *Acide guanosinemonophosphorique-5', sel disodique / Acido guanosín-5'-monofosfórico, sal disódica* $C_{10}H_{12}N_5Na_2O_8P \cdot 2H_2O$ M = 443,22 g/mol	WG. *2919*	5 g	30,—	25,50	24,—	22,50
1430	**Guanosine-2'(3')-phosphate disodium salt** BIOSYNTH® *Acide guanosine-2'(3')-phosphorique, sel disodique / Acido guanosin-2'(3')-fosfórico, sal disódica* $C_{10}H_{12}N_5Na_2O_8P$ M = 407,19 g/mol	FL. *2935*	1 g	46,50	39,55	37,20	34,90

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Box
60334	**2-Guanylbenzimidazole** PROSYNTH® *2-Guanylbenzimidazole / 2-Guanilbenzimidazol* $C_6H_4NHC[NHC(=NH)NH_2]=N$ $C_8H_9N_5$ M = 175,19 g/mol	WG. *2926*	100 g	19,—	16,15	15,20	14,2
	Guanylhydrazine hydrogen carbonate see Aminoguanidinium hydrogen carbonate						
	N-Guanyl-N-methylglycine see Creatine						
60336	**Guanyl urea** PROSYNTH® *Guanylurée / Guanilurea* $HNC(NH_2)NHCONH_2$ $C_2H_6N_4O$ M = 102,10 g/mol	WG. *2926*	100 g	11,75	10,—	9,40	8,8
	Guenzburg's solution see Solution according to Guenzburg						
23301 A 3/4 +92 °C	**Guethol** *Guétol / Güetol* $C_6H_4(OH)OC_2H_5$ $C_8H_{10}O_2$ M = 138,17 g/mol **1 L ≈ 1,10 kg** congealing point ..... 26 °C	FL. *2908*	1 L	59,—	50,15	47,20	45,-
	Gum arabic see Acacia						
	Gum tragacanth see Tragacanth						
10430	**Hafnium(IV) oxide** *Hafnium(IV) oxyde / Hafnio(IV) óxido* HfO_2 M = 210,49 g/mol assay (incl. Zr 1%) 99%	FL. *2828*	10 g	409,—	347,65	327,20	306,-
	Hair-fixative additive-S on request						
39630	**Hallcomid M 18** for gas chromatography $CH_3(CH_2)_{16}CON(CH_3)_2$ $C_{20}H_{41}NO$ M = 311,55 g/mol working temperature ..... 40 to 150 °C	WG. *2925*	50 g	39,25	33,35	31,40	29,-
	Hanus' solution see Iodine solution according to Hanus						
36031 A 6.1/53 C 6.1 1624 2	**Hayem's solution** DAB 6 for red blood-corpuseles counts *Solution d'après Hayem / Solución según Hayem* **1 L ≈ 1,01 kg** R: 22 S: 25 disposal: 26	PF. *3005*	500 ml	11,—	9,35	8,80	8
35772	**HCB** min. 99% PESTANAL® (Hexachlorobenzene) C_6Cl_6 M = 284,78 g/mol	FL. *2902*	1 g	21,50	18,30	17,20	16
35809 A 6.1/82B2 C 6.1 1615 3	**α-HCH** min. 99% PESTANAL® (α-1,2,3,4,5,6-Hexachlorocyclohexane) $C_6H_6Cl_6$ M = 290,83 g/mol R: 23/24/25 S: 2-13-44 disposal: 7	FL. *2902*	1 g	56,50	48,05	45,20	42
35842 A 6.1/82B2 C 6.1 1615 3	**β-HCH** min. 99% PESTANAL® (β-1,2,3,4,5,6-Hexachlorocyclohexane) $C_6H_6Cl_6$ M = 290,83 g/mol R: 23/24/25 S: 2-13-44 disposal: 7	FL. *2902*	1 g	85,50	72,70	68,40	64
35843 A 6.1/82B2 C 6.1 1615 3	**δ-HCH** min. 99% PESTANAL® (δ-1,2,3,4,5,6-Hexachlorocyclohexane) $C_6H_6Cl_6$ M = 290,83 g/mol R: 23/24/25 S: 2-13-44 disposal: 7	FL. *2902*	1 g	85,50	72,70	68,40	64

Number ADR /GGVS -CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	Heavy water see Deuterium oxide						
	Helianthine see Methyl orange						
3	**Heliotropin** Erg. B. 6 *Héliotropine / Heliotropina* $\underbrace{OCH_2O}C_6H_3CHO$ $C_8H_6O_3$ $M = 150{,}13$ g/mol melting range ..... 35–36 °C residue on ignition ..... 0,01 % acetanilide ..... passes test foreign organic matters ..... passes test	PF. *2911*	1 kg	186,–	158,10	148,80	143,20
	Hematite see Iron(III) oxide						
0	**Hematoxylin** cryst. indicator (C. I. No. 75290, S. No. 1376) *Hématoxyline / Hematoxilina*	WG. WG. WG. *3204*	10 g 25 g 100 g	24,75 54,50 185,–	21,05 46,35 157,25	19,80 43,60 148,–	18,55 40,90 138,75
91	**Hematoxylin solution** according to Boehmer (with alum), for microscopy *Hématoxyline en solution / Hematoxilina en solución* 1 L ≈ 1,02 kg	FL. *3819*	250 ml	14,25	12,10	11,40	10,70
92	**Hematoxylin solution** according to Delafield (with ammonium alum), for microscopy *Hématoxyline en solution / Hematoxilina en solución* 1 L ≈ 1,03 kg R: 20/21/22 S: 28 disposal: 6	FL. *3819*	250 ml	24,–	20,40	19,20	18,–
97 5 1993 2 °C	**Hematoxylin solution** according to Weigert, for microscopy Solution A: Hematoxylin solution (100 g/l) *Hématoxyline en solution / Hematoxilina en solución* 1 L ≈ 0,84 kg R: 11 S: 7-16 disposal: 6	FL. *3819*	250 ml	14,25	12,10	11,40	10,70
96	**Hematoxylin solution** according to Weigert, for microscopy Solution B: Lithium carbonate solution (0,8 g/l) *Hématoxyline en solution / Hematoxilina en solución* 1 L ≈ 0,99 kg	FL. *3819*	250 ml	14,25	12,10	11,40	10,70
	1,2,3-Hemimellithic acid see Benzenetricarboxylic acid						
	Hen . . . see Un . . .						
318	**Heparin ammonium salt** BIOSYNTH® *Héparine sel ammonium / Heparina sal amoniacal* package of 100 mg	*3906*	1 pack	16,50	14,05	13,20	12,40
283	**Heparin lithium salt** BIOSYNTH® *Héparine seldelithium / Heparina saldelitio* package of 100 mg	*3906*	1 pack	16,50	14,05	13,20	12,40
311	**Heparin potassium salt** BIOSYNTH® *Héparine sal de potassium / Heparina sal potásica* package of 250 mg	*3906*	1 pack	28,–	23,80	22,40	21,–
201	**Heparin sodium salt** BIOSYNTH® *Héparine sel de sodium / Heparina sal sódica* package with 100 mg	*3906*	1 pack	16,50	14,05	13,20	12,40
	Hepartest see Bromosulphaleine						

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35731 A 6.1/81B C 6.1 1615 3	**Heptachloro** min. 99% PESTANAL® (1,4,5,6,7,8,8-Heptachloro-4,7-endomethano-3a,4,7,7a-tetrahydroindene $C_{10}H_5Cl_7$ *M* = 373,32 g/mol R: 23/24/25-36/38 S: 2-13-44 disposal: 7	FL. *2902*	1 g	21,50	18,30	17,20	16
35770 A 6.1/81B C 6.1 1615 3	**Heptachloro epoxide** isomer A, min. 99% PESTANAL® (1,4,5,6,7,8,8-Heptachloro-2,3-epoxy-4,7-endomethano-3a,4,7,- 7a-tetrahydroindane) $C_{10}H_5Cl_7O$ *M* = 389,32 g/mol	FL. *2902*	1 g	56,50	48,05	45,20	42
	Heptacosanone-(14) see Ditridecyl ketone						
32262	***n*-Heptadecane** min. 99,9% for gas chromatography *n-Heptadécane / n-Heptadecano* $CH_3(CH_2)_{15}CH_3$ $C_{17}H_{36}$ *M* = 240,47 g/mol **1 L ≈ 0,78 kg**	FL. *2901*	5 ml	49,25	41,85	39,40	36
63496	**Heptadecane** PROSYNTH® *Heptadécane / Heptadecano* $CH_3(CH_2)_{15}CH_3$ $C_{17}H_{36}$ *M* = 240,47 g/mol assay (GC) ..... 99% melting range ..... 22—24 °C	FL. *2901*	25 ml	22,25	18,90	17,80	16
39408	**Heptadecanoic acid** BIOSYNTH® *Acide heptadécanoïque / Acido heptadecanóico* $CH_3(CH_2)_{15}COOH$ $C_{17}H_{34}O_2$ *M* = 270,45 g/mol	WG. *2914*	10 g	40,50	34,45	32,40	30
63599	**Heptadecanoic acid** PROSYNTH® *Acide heptadécanoïque / Acido heptadecanóico* $CH_3(CH_2)_{15}COOH$ $C_{17}H_{34}O_2$ *M* = 270,46 g/mol assay (GC) ..... 95% melting range ..... 60—62 °C	WG. *2914*	10 g	36,—	30,60	28,80	27
63507 A 6.1/21NB C 6.1 2811 2	**Heptadecanoic acid nitrile** PROSYNTH® *Acide heptadécanoïque nitrile / Acido heptadecanóico nitrilo* $CH_3(CH_2)_{15}CN$ $C_{17}H_{33}N$ *M* = 251,45 g/mol melting range ..... 33—36 °C	WG. *2927*	10 g	25,50	21,70	20,40	19
	Heptadecanone see Dioctyl ketone						
63497	**Heptadecene-(1)** PROSYNTH® *Heptadécène-(1) / Heptadeceno-(1)* $CH_3(CH_2)_{14}CH=CH_2$ $C_{17}H_{34}$ *M* = 238,46 g/mol **1 L ≈ 0,78 kg** assay (GC) ..... 98% boiling range (at 13 mbar) ..... 158—160 °C refractive index (n_D^{20}) 1,443	FL. *2901*	5 ml	40,75	34,65	32,60	3
61437 A 3/3 C 3.3 1987 2 +27 °C	**2,2,3,3,4,4,4-Heptafluoro-1-butanol** PROSYNTH® *2-2-3-3-4-4-4-Heptafluoro-1-butanol / 2,2,3,3,4,4,4-Heptafluoro-1-butanol* $CF_3CF_2CF_2CH_2OH$ $C_4H_3F_7O$ *M* = 200,06 g/mol **1 L ≈ 1,56 kg** assay (GC) ..... 95% boiling range ..... 94—97 °C refractive index (n_D^{20}) ..... 1,294 R: 10 disposal: 7	FL. *2904*	5 ml	52,50	44,65	42,—	3
	Heptafluorobutyric acid see Perfluorobutyric acid						
	Heptafluoro-1-iodopropane see Perfluoropropyl iodide						

refer explanations

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99	**Heptamethylenimine PROSYNTH®** *Heptaméthylèneimine / Heptametileniminia* 1993 2 $CH_2(CH_2)_6NH$ C $C_7H_{15}N$ $M = 113{,}20$ g/mol **1 L ≈ 0,89 kg** assay (GC) ..... 97% boiling range ..... 164–167 °C refractive index (n_D^{20}) ..... 1,473 R: 10-36/37/38 S: 28 disposal: 6	FL. 2926	10 ml	56,–	47,60	44,80	42,–
	Heptanal see Enanthaldehyde						
74	★ **Heptane** *Heptane / Heptano* 1A 2 1206 2 $CH_3(CH_2)_5CH_3$ C C_7H_{16} $M = 100{,}20$ g/mol **1 L ≈ 0,68 kg** boiling range ..... 97–99 °C density (D_4^{20}) ..... 0,685–0,705 refractive index (n_D^{20}) ..... 1,3880–1,3950 non-volatile matter ..... 0,005% R: 11 S: 9-16-23-29-33 disposal: 6	FL. FL. EKL. EKL. EKL. F. 2710	1 L 2,5 L 30 L 5x 10x 200 L	26,75 57,– L L L price on request	22,75 47,30 8,– 7,50 7,20	21,40 44,45	20,60 42,75
252	***n*-Heptane** min. 99,9% for gas chromatography *n-Heptane / n-Heptano* 1A 2 1206 2 $CH_3(CH_2)_5CH_3$ C C_7H_{16} $M = 100{,}20$ g/mol **1 L ≈ 0,68 kg** R: 11 S: 9-16-23-29-33 disposal: 6	FL. 2901	5 ml	49,25	41,85	39,40	36,95
677	★ ***n*-Heptane** *n-Heptane / n-Heptano* 1A 2 1206 2 $CH_3(CH_2)_5CH_3$ C C_7H_{16} $M = 100{,}20$ g/mol **1 L ≈ 0,68 kg** assay (GC) ..... 99% boiling range ..... 96–99 °C density (D_4^{20}) ..... 0,683–0,685 refractive index (n_D^{20}) ..... 1,3870–1,3880 non-volatile matter ..... 0,001% R: 11 S: 9-16-23-29-33 disposal: 6	FL. FL. FL. EKL. 2901	500 ml 1 L 2,5 L 30 L	16,– 29,25 62,50 L	13,60 24,85 51,90 9,70	12,80 23,40 48,75	12,30 22,50 46,90
	3-Heptanecarboxylic acid see 2-Ethylcaproic acid						
	Heptanedioic acid see Pimelic acid						
	Heptane-1-thiol see Heptylmercaptan						
	Heptanoic acid see Enanthic acid						
625	**Heptanol-(1) PROSYNTH®** *Heptanol-(1) / Heptanol-(1)* /4 0 °C $CH_3(CH_2)_6OH$ $C_7H_{16}O$ $M = 116{,}20$ g/mol **1 L ≈ 0,82 kg** assay (GC) ..... 98% boiling range ..... 173–175 °C refractive index (n_D^{20}) 1,424	FL. 2904	1 L	38,50	32,75	30,80	29,65
626	**Heptanol-(2) PROSYNTH®** *Heptanol-(2) / Heptanol-(2)* /4 .3 1987 2 $CH_3(CH_2)_4CH(OH)CH_3$ 9 °C $C_7H_{16}O$ $M = 116{,}20$ g/mol **1 L ≈ 0,82 kg** assay (GC) ..... 98% boiling range ..... 158–160 °C refractive index (n_D^{20}) 1,420	FL. 2904	100 ml	54,50	46,35	43,60	40,90

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64610 A 3/4 C 3.3 1993 2 +60 °C	**Heptanol-(3)** PROSYNTH® *Heptanol-3 / 3-Heptanol* $CH_3(CH_2)_3CH(OH)CH_2CH_3$ $C_7H_{16}O$ $M = 116{,}20$ g/mol **1 L ≈ 0,82 kg** assay (GC) ..... 99% boiling range ..... 155–157 °C refractive index (n_D^{20}) 1,422	FL. *2904*	100 ml	29,50	25,10	23,60	22,1
62500 A 3/3 C 3.3 1993 2 +54 °C	**Heptanol-(4)** PROSYNTH® *Heptanol-(4) / Heptanol-(4)* $(CH_3CH_2CH_2)_2CHOH$ $C_7H_{16}O$ $M = 116{,}20$ g/mol **1 L ≈ 0,82 kg** assay (GC) ..... 97% boiling range ..... 157–160 °C refractive index (n_D^{20}) ..... 1,420 R: 10 disposal: 6	FL. *2904*	100 ml	52,50	44,65	42,–	39,4
33261 A 3/3 C 3.3 1224 2 +41 °C	**Heptanone-(2)** for extraction analysis *Heptanone-(2) / Heptanona-(2)* $CH_3(CH_2)_4COCH_3$ $C_7H_{14}O$ $M = 114{,}19$ g/mol **1 L ≈ 0,82 kg** assay (GC) ..... min. 99% R: 10-22 S: 23 disposal: 6	FL. *2913*	500 ml	96,–	81,60	76,80	73,9
30820 A 3/3 C 3.3 1110 3 +41 °C	**Heptanone-(2)** min. 99,9% for gas chromatography *Heptanone-(2) / Heptanona-(2)* $CH_3(CH_2)_4COCH_3$ $C_7H_{14}O$ $M = 114{,}19$ g/mol **1 L ≈ 0,82 kg** R: 10-22 S: 23 disposal: 6	FL. *2913*	5 ml	49,25	41,85	39,40	36,9
64092 A 3/3 C 3.3 1224 2 +41 °C	**Heptanone-(2)** PROSYNTH® *Heptanone-(2) / Heptanona-(2)* $CH_3(CH_2)_4COCH_3$ $C_7H_{14}O$ $M = 114{,}19$ g/mol **1 L ≈ 0,82 kg** assay (GC) ..... 98% boiling range ..... 150–152 °C refractive index (n_D^{20}) ..... 1,409 R: 10-22 S: 23 disposal: 6	FL. *2913*	100 ml	28,25	24,–	22,60	21,2
30821 A 3/3 C 3.3 1224 2 +38 °C	**Heptanone-(3)** min. 99,9% for gas chromatography *Heptanone-(3) / Heptanona-(3)* $CH_3(CH_2)_3COC_2H_5$ $C_7H_{14}O$ $M = 114{,}19$ g/mol **1 L ≈ 0,82 kg** R: 10-20-36 S: 24 disposal: 6	FL. *2913*	5 ml	49,25	41,85	39,40	36,
62628 A 3/3 C 3.3 1110 3 +38 °C	**Heptanone-(3)** PROSYNTH® *Heptanone-(3) / Heptanona-(3)* $CH_3(CH_2)_3COCH_2CH_3$ $C_7H_{14}O$ $M = 114{,}19$ g/mol **1 L ≈ 0,82 kg** assay (GC) ..... 98% boiling range ..... 146–149 °C refractive index (n_D^{20}) ..... 1,408 R: 10-20-36 S: 24 disposal: 6	FL. *2913*	500 ml	54,50	46,35	43,60	41,
30822 A 3/3 C 3.3 2710 3 +49 °C	**Heptanone-(4)** min. 99,9% for gas chromatography *Heptanone-(4) / Heptanona-(4)* $(CH_3CH_2CH_2)_2CO$ $C_7H_{14}O$ $M = 114{,}19$ g/mol **1 L ≈ 0,81 kg** R: 10 S: 23 disposal: 6	FL. *2913*	5 ml	49,25	41,85	39,40	36,

-Number /ADR /E/GGVS G-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
9	**Heptanone-(4)** PROSYNTH® *Heptanone-(4) / Heptanona-(4)* 2710 3 C $(CH_3CH_2CH_2)_2CO$ $C_7H_{14}O$ $M = 114{,}19$ g/mol **1 L ≈ 0,81 kg** assay (GC) ..... 98% boiling range ..... 142—144 °C refractive index ..... 1,407 R: 10 S: 23 disposal: 6	FL. *2913*	100 ml	12,—	10,20	9,60	9,—
	Heptanoyl chloride see Enanthoyl chloride						
14	**3-Heptene** PROSYNTH® mixture of *cis*- and *trans*-isomers *Heptène-2 / 3-Hepteno* A 1993 2 $CH_3CH_2CH_2CH=CHCH_2CH_3$ C_7H_{14} $M = 98{,}19$ g/mol **1 L ≈ 0,72 kg** assay (GC) ..... 95% refractive index (n_D^{20}) 1,405	FL. *2901*	10 ml	21,50	18,30	17,20	16,15
	Heptyl alcohol see 1-Heptanol						
32	**Heptylamine** PROSYNTH® *Heptylamine / Heptilamina* 35 1993 2 °C $CH_3(CH_2)_6NH_2$ $C_7H_{17}N$ $M = 115{,}22$ g/mol **1 L ≈ 0,77 kg** assay (GC) ..... 95% boiling range ..... 154—156 °C refractive index (n_D^{20}) ..... 1,424 R: 10-36/37/38 S: 28 disposal: 19	FL. *2922*	50 ml	27,75	23,60	22,20	20,80
	Heptylbenzene see 1-Phenylheptane						
	Heptyl bromide see 1-Bromoheptane						
	Heptyl cyanide see Caprylonitrile						
	Heptyl iodide see 1-Iodoheptane						
00	**Heptylmercaptan** PROSYNTH® *Heptylmercaptan / Heptilmercaptano* 3 3 1993 2 $CH_3(CH_2)_6SH$ $C_7H_{16}S$ $M = 132{,}27$ g/mol **1 L ≈ 0,84 kg** assay (GC) ..... 95% R: 10 disposal: 15	FL. *2931*	50 ml	58,50	49,75	46,80	43,90
	Heptyl propyl ketone see Undecanone-(4)						
31	**Heptyne-(1)** PROSYNTH® *Heptyne-(1) / Heptino-(1)* 1A 2 1993 2 $CH_3(CH_2)_4C \equiv CH$ C_7H_{12} $M = 96{,}17$ g/mol **1 L ≈ 0,73 kg** assay (GC) ..... 98% boiling range ..... 98—100 °C refractive index (n_D^{20}) ..... 1,409 R: 11 S: 9-16-33 disposal: 6	FL. *2901*	25 ml	38,25	32,50	30,60	28,70
356	**Heptyne-(3)** PROSYNTH® *Heptyne-(3) / Heptino-(3)* 1A 2 1993 2 0°C $CH_3CH_2C \equiv C(CH_2)_2CH_3$ C_7H_{12} $M = 96{,}17$ g/mol assay (GC) ..... 99% boiling range ..... 103—105 °C refractive index (n_D^{20}) ..... 1,422 R: 11 S: 9-16-33 disposal: 6	FL. *2901*	5 g	52,50	44,65	42,—	39,40
	Herbicides see appendix PESTANAL®						

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	(M
63502	**Hexabromobenzene** PROSYNTH® *Hexabromobenzène / Hexabromobenceno* C_6Br_6 *M* = 551,49 g/mol	WG. *2902*	100 g	85,—	72,25	68,—	
02886	**Hexabromobenzene** *Hexabromobenzène / Hexabromobenceno* C_6Br_6 *M* = 551,49 g/mol	WG. *2902*	100 g	price on request			
02889	**1,2,5,6,9,10-Hexabromocyclododecane** *Hexabromocyclododécane-1-2-5-6-9-10 / 1,2,5,6,9,10-Hexabromociclododecano* $C_{12}H_{18}Br_6$ *M* = 641,70 g/mol assay (GC) ..... 98 % melting range ..... 173—175 °C	WG. *2902*	1 kg	123,—	104,55	98,40	
64611 A 6.1/81F2 C 6.1 1615 3	**Hexabutylditin** PROSYNTH® *Hexabutyldiétain / Hexabutildiestaño* $(CH_3CH_2CH_2CH_2)_3SnSn(CH_2CH_2CH_2CH_3)_3$ $C_{24}H_{54}Sn_2$ *M* = 580,07 g/mol **1 L ≈ 1,15 kg** assay (ex Sn) ..... 98 % boiling range (at 13 mbar) ..... 196—198 °C R: 23/24/25 S: 2-13-44 disposal: 10	FL. *2934*	50 ml	93,50	79,50	74,80	
62633 A 6.1/61B C 6.1 2810 2	**Hexachloroacetone** PROSYNTH® *Hexachloroacétone / Hexacloroacetona* CCl_3COCCl_3 C_3Cl_6O *M* = 264,75 g/mol **1 L ≈ 1,74 kg** assay (GC) ..... 98 % boiling range ..... 202—205 °C refractive index (n_D^{20}) ..... 1,511 keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 20/21/22 S: 28 disposal: 7	FL. *2913*	1 L	96,—	81,60	76,80	
62634 A 6.1/23 C 6.1 2810 2	**Hexachloro-1,3-butadiene** PROSYNTH® *Hexachloro-1-3-butadiène / Hexaclorobutadieno-(1,3)* $CCl_2=CClCCl=CCl_2$ C_4Cl_6 *M* = 260,76 g/mol **1 L ≈ 1,67 kg** assay (GC) ..... 98 % boiling range ..... 213—215 °C refractive index (n_D^{20}) ..... 1,556 keep in refrigerator à stocker dans le frigidaire almacenaje en le nevera R: 23/24/25 S: 44 disposal: 13	FL. *2902*	1 L	48,25	41,—	38,60	
62635 A 6.1/62 B C 6.1 2810 2	**Hexachlorocyclopentadiene** PROSYNTH® *Hexachlorocyclopentadiène / Hexaclorociclopentadieno* $ClC=CClCCl=CClCCl_2$ C_5Cl_6 *M* = 272,77 g/mol **1 L ≈ 1,71 kg** assay (GC) ..... 98 % boiling range (at 19 mbar) ..... 109—111 °C refractive index (n_D^{20}) 1,565	FL. *2902*	1 L	42,75	36,35	34,20	
15611	**Hexachloroethane** *Hexachloroéthane / Hexacloroetano* CCl_3CCl_3 C_2Cl_6 *M* = 236,74 g/mol melting range ..... 184—187 °C sulphated ash ..... 0,05 %	PF. PF. S. *2902*	1 kg 5 kg 50 kg	12,50 52,50 price on request	10,65 43,60	10,— 40,95	

umber DR GGVS CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
B1 15 3	**Hexachlorophene** min. 99% PESTANAL® [Bis-(2-hydroxy-3,5,6-trichlorophenyl)-methane] *Hexachlorophène / Hexaclorofeno* $Cl_3(OH)C_6HCH_2C_6H(OH)Cl_3$ $C_{13}H_6Cl_6O_2$ M = 406,91 g/mol	FL. *2907*	1 g	19,50	16,60	15,60	14,65
	Hexachloroplatinic(IV) acid solution 5%, R. G. *Acide hexachloroplatinique(IV) en solution / Acido hexaloroplatínico(IV) en solución* H_2PtCl_6 M = 409,82 g/mol 1 L ≈ 1,03 kg	FL. *2849*	25 ml	price on request			
7 3	**Hexachloroplatinic(IV) acid** abt. 40% Pt *Acide hexachloroplatinique(IV) / Acido hexacloroplatínico(IV)* tube of 1 g H_2PtCl_6 M = 517,92 g/mol	*2849*	1 pack	price on request			
07 3	**Hexachloroplatinic(IV) acid** abt. 40% Pt *Acide hexachloroplatinique(IV) / Acido hexacloroplatínico(IV)* tube of 10 g H_2PtCl_6 M = 517,92 g/mol	*2849*	1 pack	price on request			
6 81A 2810 2	**Hexachloropropene** PROSYNTH® *Hexachloropropène / Hexacloropropeno* $CCl_3CCl=CCl_2$ C_3Cl_6 M = 248,75 g/mol 1 L ≈ 1,76 kg assay (GC) ..... 95% boiling range ..... 205—207 °C refractive index (n_D^{20}) ..... 1,547 keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	FL. *2902*	100 ml	81,—	68,85	64,80	60,75
61	***n*-Hexadecane** min. 99,9% for gas chromatography *n-Hexadécane / n-Hexadecano* $CH_3(CH_2)_{14}CH_3$ $C_{16}H_{34}$ M = 226,44 g/mol 1 L ≈ 0,77 kg	FL. *2901*	5 ml	49,25	41,85	39,40	36,95
04	**Hexadecane** PROSYNTH® *Hexadécane / Hexadecano* $CH_3(CH_2)_{14}CH_3$ $C_{16}H_{34}$ M = 226,44 g/mol 1 L ≈ 0,77 kg assay (GC) ..... 99% boiling range ..... 284—286 °C refractive index (n_D^{20}) 1,435	FL. *2901*	100 ml	22,—	18,70	17,60	16,50
	Hexadecanol-(1) see Cetyl alcohol						
37	**Hexadecanone-(3)** PROSYNTH® *Hexadécanone-(3) / Hexadecanona-(3)* $CH_3(CH_2)_{12}COC_2H_5$ $C_{16}H_{32}O$ M = 240,43 g/mol assay (GC) ..... 98% melting range ..... 41—43 °C	WG. *2913*	50 g	83,50	71,—	66,80	62,65
05	**Hexadecene-(1)** PROSYNTH® *Hexadécène-(1) / Hexadeceno-(1)* $CH_3(CH_2)_{13}CH=CH_2$ $C_{16}H_{32}$ M = 224,43 g/mol 1 L ≈ 0,78 kg assay (GC) 96%	FL. *2901*	100 ml	43,75	37,20	35,—	32,80
76	**1-Hexadecenylsuccinic anhydride** PROSYNTH® *Anhydride 1-hexadécénylsuccinique / Anhidrido 1-hexadecenilsuccínico* $C_{20}H_{34}O_3$ M = 322,49 g/mol	WG. *2915*	50 g	35,—	29,75	28,—	26,25

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63506	**Hexadecylamine** PROSYNTH® Genamin® *Hexadécylamine / Hexadecilamina* Genamin® = trade mark of Hoechst AG $CH_3(CH_2)_{15}NH_2$ $C_{16}H_{35}N$ $M = 241{,}46$ g/mol assay (GC) ..... 98 % melting range ..... 43—46 °C R: 34 S: 26 disposal: 19	WG. *2922*	500 g	26,50	22,55	21,20	20
63296 A 6.1/62 C 6.1 2811 3	**Hexadecylpyridinium chloride monohydrate** PROSYNTH® *Hexadécylpyridinium chlorure monohydrate / Hexadecilpiridinio cloruro monohidrato* $CH=CHCH=CHCH=N(Cl)(CH_2)_{15}CH_3 \cdot H_2O$ $C_{21}H_{38}ClN \cdot H_2O$ $M = 358{,}01$ g/mol assay ..... 98 % melting range ..... 79—83 °C	PF. *2935*	500 g	94,—	79,90	75,20	72
65015	**N-Hexadecyl-N,N,N-trimethylammonium bromide** PROSYNTH® *N-Hexadécyl-N-N-N-triméthylammonium bromure / N-Hexadecil-N,N,N-trimetilamonio bromuro* $CH_3(CH_2)_{15}NBr(CH_3)_3$ $C_{19}H_{42}BrN$ $M = 364{,}45$ g/mol assay (aus Br) ..... 98 %	WG. *2924*	100 g	22,—	18,70	17,60	16
	Hexadiene-(2,4)-acid-(1) see Sorbic acid						
39685	**Hexaethylene glycol dimethyl ether** for gas chromatography *Hexaéthylèneglycol dimethyléther / Hexaetilenglicol dimetileter* $CH_3(OCH_2CH_2)_6OCH_3$ $C_{14}H_{30}O_7$ $M = 310{,}39$ g/mol 1 L ≈ 1,04 kg working temperature ..... 0—65 °C	FL. *2908*	50 ml	224,—	190,40	179,20	168
61357 A 3/4	**Hexafluoroacetylacetone** PROSYNTH® *Hexafluoroacétylacétone / Hexafluoroacetilacetona* $CF_3COCH_2COCF_3$ $C_5H_2F_6O_2$ $M = 208{,}06$ g/mol 1 L ≈ 1,39 kg assay (GC) ..... 98 % boiling range ..... 68—70 °C	FL. *2913*	25 ml	176,—	149,60	140,80	132
01735 A 8/15 C 8 1759 2	**Hexafluoroaluminium acid-6-hydrate** *Acide hexafluoroaluminium-6-hydrate / Acido hexafluoroaluminio-6-hidrato* $H_3AlF_6 \cdot 6H_2O$ $M = 252{,}09$ g/mol melting range ..... 38—40 °C R: 34 S: 26 disposal: 27	PF. *2813*	50 g	74,50	63,35	59,60	55
61358 A 3/1A C 3.2 1992 2 +10 °C	**Hexafluorobenzene** PROSYNTH® *Hexafluorobenzène / Hexafluorobenceno* C_6F_6 $M = 186{,}06$ g/mol 1 L ≈ 1,61 kg assay (GC) ..... 97 % melting range ..... 4—6 °C boiling range ..... 80—82 °C R: 11 S: 9-16-33 disposal: 13	FL. *2902*	25 ml	173,—	147,05	138,40	129
09053 A 6.1/23 C 6.1 2810 2	**Hexafluoro-2-propanol-d_2** deuteration degree not less than 98 atom % D *Hexafluoropropanol-2-d_2 / Hexafluoro-2-propanol-d_2* $CF_3CD(OD)CF_3$ $C_3D_2F_6O$ $M = 170{,}02$ g/mol 1 L ≈ 1,64 kg	A. *2851*	10 ml	65,—	55,25	52,—	48
	Hexafluorosilicic acid see Fluorosilicic acid						
	Hexafluorosilicic acid see Fluorosilicic acid						

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	Hexahydrobenzene see Cyclohexane						
	Hexahydrobenzoic acid see Cyclohexanecarboxylic acid						
	Hexahydromesitylene see 1,3,5-Trimethylcyclohexane						
508	***cis*-Hexahydrophthalimide** PROSYNTH® *cis-Hexahydrophtalimide / cis-Hexahidroftalimida* $C_6H_{10}CONHCO$ $C_8H_{11}NO_2$ $M = 153{,}18$ g/mol assay (ex N) ..... 95% melting range ..... 133–135 °C	WG. 2926	100 g	29,50	25,10	23,60	22,15
	Hexahydrotoluene see Methylcyclohexane						
	4,5,6,4',5',6'-Hexahydroxydiphenic acid-δ,δ-dilactone see Ellagic acid						
	Hexahydroxylene see Dimethylcyclohexane						
631 .1/21A .1 2810 1	**1,2,3,4,5,6-Hexakis-(2-cyanoethoxy)-hexane** (Fractonitril VI) for gas chromatography *1-2-3-4-5-6-Hexakis-(2-cyanoéthoxy)-hexane / 1,2,3,4,5,6-Hexakis-(2-cianoetoxi)-hexano* $C_{24}H_{32}N_6O_6$ $M = 500{,}55$ g/mol **1 L ≈ 1,18 kg** working temperature ..... 40 to 150 °C	WG. 2927	50 ml	56,–	47,60	44,80	42,–
	Hexalaldehyde see Capronaldehyde						
5016	**Hexamethonium chloride dihydrate** PROSYNTH® *Hexaméthonium chlorure dihydrate / Hexametonio cloruro dihidrato* $(CH_3)_3N(Cl)(CH_2)_6N(Cl)(CH_3)_3 \cdot 2H_2O$ $C_{12}H_{30}Cl_2N_2 \cdot 2H_2O$ $M = 309{,}32$ g/mol assay (ex Cl) 97%	WG. 2927	100 g	price on request			
5017	**Hexamethonium iodide** PROSYNTH® *Hexaméthonium iodure / Hexametonio yoduro* $(CH_3)_3N(J)(CH_2)_6N(J)(CH_3)_3$ $C_{12}H_{30}J_2N_2$ $M = 456{,}19$ g/mol assay (ex J) ..... 99% melting range ..... 280–282 °C (disint.)	WG. 2924	100 g	31,25	26,55	25,–	23,45
3509	**Hexamethylbenzene** PROSYNTH® *Hexaméthylbenzène / Hexametilbenceno* $C_6(CH_3)_6$ $C_{12}H_{18}$ $M = 162{,}27$ g/mol assay (GC) ..... 98% melting range ..... 163–165 °C	WG. 2901	25 g	49,50	42,10	39,60	37,15
2638 3/1A 3.2 1993 2 14 °C	**Hexamethyldisilazane** (HMDS) PROSYNTH® *Hexaméthyldisilazane / Hexametildisilazano* $(CH_3)_3SiNHSi(CH_3)_3$ $C_6H_{19}NSi_2$ $M = 161{,}39$ g/mol **1 L ≈ 0,78 kg** assay (GC) ..... 98% boiling range ..... 124–126 °C refractive index (n_D^{20}) ..... 1,407 R: 11 S: 9-16-33 disposal: 6	FL. 2934	25 ml	10,50	8,95	8,40	7,90
2639 3/1A 3.2 1993 2 1 °C	**Hexamethyldisiloxane** PROSYNTH® *Hexaméthyldisiloxane / Hexametildisiloxano* $(CH_3)_3SiOSi(CH_3)_3$ $C_6H_{18}OSi_2$ $M = 162{,}38$ g/mol **1 L ≈ 0,76 kg** assay (GC) ..... 98% boiling range ..... 98–100 °C refractive index (n_D^{20}) ..... 1,377 R: 11 S: 9-16-33 disposal: 6	FL. 2934	100 ml	31,75	27,–	25,40	23,80

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	Hexamethylene bromide see 1,6-Dibromohexane						
	Hexamethylene chloride see 1,6-Dichlorohexane						
62640 A 8/35 C 8 1783 2	**Hexamethylenediamine** PROSYNTH® *Hexaméthylènediamine / Hexametilendiamina* $NH_2(CH_2)_6NH_2$ $C_6H_{16}N_2$ $M = 116{,}21$ g/mol **1 L ≈ 0,84 kg** assay (GC) ..... 99% melting range ..... 41—43 °C	FL. *2922*	250 ml	21,50	18,30	17,20	16,
	Hexamethylene dicyanide see Suberodinitrile						
64617 A 3/1A C 3.2 1993 2 +10 °C	**Hexamethylene oxide** PROSYNTH® *Hexaméthylène oxyde / Hexametileno óxido* $\underbrace{CH_2(CH_2)_5}O$ $C_6H_{12}O$ $M = 100{,}16$ g/mol **1 L ≈ 0,90 kg** assay (GC) ..... 97% boiling range ..... 120—122 °C refractive index (n_D^{20}) ..... 1,440 R: 11 S: 9-16-33 disposal: 6	FL. *2909*	250 ml	47,25	40,15	37,80	35,
33233 C 4.1 1328 3	**Hexamethylenetetramine** R. G., Reag. Ph. Eur. I *Hexaméthylènetétramine / Hexametilentetramina* $C_6H_{12}N_4$ $M = 140{,}19$ g/mol assay ..... min. 99,5% insoluble in water ..... max. 0,0025% sulphated ash ..... max. 0,01% pH (10%, 20 °C) ..... 8,5—9,5 ammonium (NH_4) ..... max. 0,01% heavy metals (as Pb) ..... max. 0,001% chloride (Cl) ..... max. 0,002% sulphate (SO_4) ..... max. 0,005% R: 36/37/38 S: 26 disposal: 19	PF. PF. PF. *2926*	250 g 500 g 1 kg	9,75 13,75 25,—	8,30 11,70 21,25	7,80 11,— 20,—	7, 10, 19,
15614 C 4.1 1328 3	**Hexamethylenetetramine** DAB 8 *Hexaméthylènetétramine / Hexametilentetramina* $C_6H_{12}N_4$ $M = 140{,}19$ g/mol assay (for dried substance) ..... 99,5% loss on drying (on silica gel) ..... 1% sulphated ash ..... 0,03% heavy metals (as Pb) ..... 0,002% chloride (Cl) ..... 0,005% sulphate (SO_4) ..... 0,01% R: 36/37/38 S: 26 disposal: 19	PF. S. S. FTP. FTP. *2926*	1 kg 50 kg 5x 50 kg 5x	16,— kg kg kg kg	13,60 6,— 5,60 6,30 5,90	12,80	12,
62641 A 8/35 C 3.2 1993 2 22 °C	**Hexamethylenimine** PROSYNTH® *Hexaméthylènimine / Hexametilenimina* $\underbrace{CH_2(CH_2)_5}NH$ $C_6H_{13}N$ $M = 99{,}18$ g/mol **1 L ≈ 0,88 kg** assay (GC) ..... 98% boiling range ..... 135—138 °C refractive index (n_D^{20}) 1,467	FL. *2935*	250 ml	17,25	14,65	13,80	12,
60179	**Hexamethylphosphoric triamide** PROSYNTH® *Acide hexaméthylphosphorotriamide / Acido hexametilfosfórico-triamida* $[(CH_3)_2N]_3PO$ $C_6H_{18}N_3OP$ $M = 179{,}20$ g/mol **1 L ≈ 1,03 kg** assay (GC) ..... 99% boiling range (at 13 mbar) ..... 107—110 °C refractive index (n_D^{20}) 1,459	FL. FL. *2930*	250 ml 1 L	38,— 126,50	32,30 107,55	30,40 101,20	28, 97,

refer explanations

Number ADR E/GGVS G-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
4	**Hexamethylphosphoric triamide-d_{18}** deuteration degree not less than 98 atom% D *Hexaméthylphosphorotriamide-d_{18} / Hexametilfosforo triamida-d_{18}* $[(CD_3)_2N]_3PO$ $C_6D_{18}N_3OP$ *M* = 197,06 g/mol **1 L ≈ 1,14 kg**	A. *2851*	5 ml	337,—	286,45	269,60	252,75
	2,6,10,15,19,23-Hexamethyltetracosane see Squalane						
	Hexamine see Hexamethylenetetramine						
8	**Hexammine-cobalt(III) chloride** PROSYNTH® *Hexammine-cobalt(III) chlorure / Hexamincobalto(III) cloruro* $[Co(NH_3)_6]Cl_3$ $Cl_3CoH_{18}N_6$ *M* = 267,47 g/mol assay (ex Cl) 99%	WG. *2848*	50 g	37,—	31,45	29,60	27,75
	Hexanal see Capronaldehyde						
51 A 1208 2 C	*n*-**Hexane** min. 99,9% for gas chromatography *n-Hexane / n-Hexano* $CH_3(CH_2)_4CH_3$ C_6H_{14} *M* = 86,18 g/mol **1 L ≈ 0,66 kg** R: 11 S: 9-16-23-29-33 disposal: 6	FL. *2901*	5 ml	49,25	41,85	39,40	36,95
13 IA 1208 2 C	★ *n*-**Hexane** SPECTRANAL® *n-Hexane / n-Hexano* $CH_3(CH_2)_4CH_3$ C_6H_{14} *M* = 86,18 g/mol **1 L ≈ 0,66 kg** free acid (as CH_3COOH) ..... max. 0,001% assay (GC) ..... min. 97% non-volatile matter ..... max. 0,0005% water (acc. to Karl Fischer) ..... max. 0,01% free acid (as CH_3COOH) ..... max. 0,001% suitability for UV spectroscopy transmittance (1 cm cell/reference: water) transmittance/wavelength (nm): min. 60%/210, min. 80%/220, min. 94%/230, min. 98%/from 240 suitability for IR spectroscopy ..... passes test R: 11 S: 9-16-23-29-33 disposal: 6	FL. FL. *2901*	1 L 2,5 L	39,75 84,50	33,80 70,15	31,80 65,90	30,60 63,40
84 1A 1208 2 C	*n*-**Hexane** PESTANAL® *n-Hexane / n-Hexano* $CH_3(CH_2)_4CH_3$ C_6H_{14} *M* = 86,18 g/mol **1 L ≈ 0,66 kg** assay (GC) ..... min. 95% non-volatile matter ..... max. 0,0005% water (according to Karl Fischer) ..... max. 0,01% suitability for residue analysis: Traceable accompanying substances (GC/ECD) (column 0,5 m, glass capillary ∅ 3 mm Silicon TLC 200 on Chromosorb® 100/200) show in the retention volum zones between Pentachlorobenzene, α-HCH, Aldrin and DDT a peak of $< 5 \cdot 10^{-10}$% ≙ 5 ng/l. R: 11 S: 9-16-23-29-33 disposal: 6	FL. FL. ALU. *2901*	1 L 2,5 L 5 L	29,75 62,— 109,—	25,30 51,45 90,45	23,80 48,35 85,—	22,90 46,50 81,75

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)	Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	
	FL. FL. *2901*	1 L 2,5 L	50,— 105,—	42,50 87,15	40,— 81,90	3 7

34859 ★ ***n*-Hexane** CHROMASOLV® for chromatography (UV-detection)

A 3/1A
C 3.1 1208 2
-23 °C

Hexane / Hexano

$CH_3(CH_2)_4CH_3$
C_6H_{14} $M = 86{,}18$ g/mol — **1 L ≈ 0,66 kg**

assay (GC)	min. 97 %
non-volatile matter	max. 0,0005 %
water (according to Karl Fischer)	max. 0,01 %
free acid (as CH_3COOH)	max. 0,001 %

transmittance (1 cm cell; reference water)
transmittance/wavelength (nm):
min. 20 %/200, min. 50 %/214
min. 80 %/225, min. 98 %/from 270

R: 11 S: 9-16-23-29-33
disposal: 6

17959 ★ ***n*-Hexane** PURANAL®

A 3/1
C 3.1 1208 2
-26 °C

n-Hexane / n-Hexano

$CH_3(CH_2)_4CH_3$
C_6H_{14} $M = 86{,}18$ g/mol — **1 L ≈ 0,66 kg**

assay (GC)	min. 99 %
boiling range	68—69 °C
density (D_4^{20})	0,658—0,662
refractive index (n_D^{20})	1,3745—1,3755
non-volatile matter	max. 10 ppm
water (according to Karl Fischer)	max. 100 ppm
aluminium (Al)	max. 0,05 ppm
antimony (Sb)	max. 0,01 ppm
arsenic (As)	max. 0,01 ppm
barium (Ba)	max. 0,1 ppm
beryllium (Be)	max. 0,01 ppm
lead (Pb)	max. 0,02 ppm
boron (B)	max. 0,01 ppm
cadmium (Cd)	max. 0,2 ppm
calcium (Ca)	max. 0,01 ppm
chromium (Cr)	max. 0,1 ppm
iron (Fe)	max. 0,02 ppm
gallium (Ga)	max. 0,02 ppm
gold (Au)	max. 0,02 ppm
indium (In)	max. 0,1 ppm
potassium (K)	max. 0,01 ppm
cobalt (Co)	max. 0,01 ppm
copper (Cu)	max. 0,02 ppm
lithium (Li)	max. 0,1 ppm
magnesium (Mg)	max. 0,01 ppm
manganese (Mn)	max. 0,01 ppm
molybdenum (Mn)	max. 0,2 ppm
sodium (Na)	max. 0,01 ppm
nickel (Ni)	max. 0,02 ppm
platinum (Pt)	max. 0,02 ppm
silver (Ag)	max. 0,02 ppm
strontium (Sr)	max. 0,02 ppm
thallium (Tl)	max. 0,01 ppm
titanium (Ti)	max. 0,01 ppm
vanadium (V)	max. 0,02 ppm
bismuth (Bi)	max. 0,05 ppm
zinc (Zn)	max. 0,02 ppm
tin (Sn)	max. 0,01 ppm
zirconium (Zr)	

R: 11 S: 9-16-23-29-33
disposal: 6

FL. *2901*	2,5 L	price on request			

15671 ★ ***n*-Hexane** pure

A 3/1A
C 3.1 1208 2
-26 °C

n-Hexane / n-Hexano

$CH_3(CH_2)_4CH_3$
C_6H_{14} $M = 86{,}18$ g/mol — **1 L ≈ 0,66 kg**

assay (GC)	95 %
boiling range	68—69 °C
density (D_4^{20})	0,658—0,662
refractive index (n_D^{20})	1,3740—1,3755
non-volatile matter	0,001 %

R: 11 S: 9-16-23-29-33
disposal: 6

FL.	1 L	27,—	22,95	21,60	
FL.	2,5 L	57,—	47,30	44,45	
EKL.	30 L	L	10,15		
EKL.	5x	L	9,75		
EKL.	10x	L	9,50		
EKL.	20x	L	9,20		
2901					

refer explanations

umber DR GGVS CODE (GGVSee)	Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
Hexane *Hexane / Hexano* 08 2 $CH_3(CH_2)_4CH_3$ C_6H_{14} M = 86,18 g/mol **1 L ≈ 0,66 kg** boiling range ..... 66–69 °C density (D_4^{20}) ..... 0,660–0,668 refractive index (n_D^{20}) ..... 1,3750–1,3780 non-volatile matter ..... 0,001 % R: 11 S: 9-16-23-29-33 disposal: 6	FL. FL. FL. EKL. *2710*	500 ml 1 L 2,5 L 30 L	11,– 18,– 39,– L	9,35 15,30 32,35 7,35	8,80 14,40 30,40	8,45 13,85 29,25
1,6-Hexanediamine see Hexamethylenediamine						
1,6-Hexanediol *Hexanediol-1-6 / 1,6-Hexanodiol* $HO(CH_2)_6OH$ $C_6H_{14}O_2$ M = 118,18 g/mol assay (GC) ..... 99 % melting range ..... 41,0–41,5 °C boiling range ..... 253,0–260,5 °C	WG. *2904*	1 kg	26,25	22,30	21,–	20,20
2,5-Hexanediol PROSYNTH® *Hexanediol-2-5 / 2,5-Hexanodiol* $CH_3CH(OH)CH_2CH_2CH(OH)CH_3$ $C_6H_{14}O_2$ M = 118,18 g/mol **1 L ≈ 0,96 kg** assay (GC) ..... 97 % boiling range (at 1,3 mbar) ..... 85–88 °C refractive index (n_D^{20}) 1,448	PF. *2904*	500 ml	37,–	31,45	29,60	28,50
2,5-Hexanedione PROSYNTH® *Hexanedione-2-5 / 2,5-Hexanodiona* $CH_3COCH_2CH_2COCH_3$ $C_6H_{10}O_2$ M = 114,14 g/mol **1 L ≈ 0,98 kg** assay (GC) ..... 97 % boiling range ..... 190–193 °C refractive index (n_D^{20}) 1,426	FL. *2913*	100 ml	28,50	24,25	22,80	21,40
1,6-Hexanedithiol PROSYNTH® *Hexanedithiol-1-6 / 1,6-Hexanoditiol* 12 810 3 $HS(CH_2)_6SH$ $C_6H_{14}S_2$ M = 150,31 g/mol **1 L ≈ 1,00 kg** assay (GC) ..... 98 % boiling range (at 13 mbar) ..... 100–102 °C refractive index (n_D^{20}) 1,511	FL. *2931*	25 ml	51,50	43,80	41,20	38,65
1-Hexanethiol PROSYNTH® *Hexanethiol-1 / 1-Hexanotiol* 3 992 2 $CH_3(CH_2)_5SH$ $C_6H_{14}S$ M = 118,24 g/mol **1 L ≈ 0,84 kg** assay (GC) ..... 97 % boiling range ..... 148–150 °C refractive index (n_D^{20}) ..... 1,449 R: 10 disposal: 15	FL. *2931*	100 ml	50,50	42,95	40,40	37,90
1,2,6-Hexanetriol PROSYNTH® *Hexanetriol-(1-2-6) / Hexanotriol-(1,2,6)* 8 $HO(CH_2)_4CH(OH)CH_2OH$ $C_6H_{14}O_3$ M = 134,17 g/mol **1 L ≈ 1,17 kg** assay ..... 98 % boiling range (at 7 mbar) ..... 176–178 °C refractive index (n_D^{20}) 1,478	FL. *2904*	500 ml	109,–	92,65	87,20	83,95
Hexanitrodiphenylamine see Dipicrylamine						
***n*-Hexanoic acid** see *n*-Caproic acid						

Code-Number
A) RID/ADR
B) GGVE/GGVS
C) IMDG-CODE (GGVSee)

Type of package B.T.N.

Price per package DM | 1x | 6x (1 Box) | 24x (4 Boxes) | 9[illegible] ([illegible])

64380 **Hexanoic anhydride** PROSYNTH®
Anhydride hexanoïque / Anhídrido hexanóico
$CH_3(CH_2)_4COOCO(CH_2)_4CH_3$
$C_{12}H_{22}O_3$ $M = 214{,}30$ g/mol — 1 L ≈ 0,93 kg
assay (GC) ..... 98 %
boiling range (at 17 mbar) ..... 141 – 143 °C
refractive index (n_D^{20}) 1,428

FL. 2914 — 250 ml — 58,50 — 49,75 — 46,80 — 43,

62643 **1-Hexanol** PROSYNTH®
A 3/4 — *Hexanol-1 / 1-Hexanol*
+74 °C
$CH_3(CH_2)_5OH$
$C_6H_{14}O$ $M = 102{,}18$ g/mol — 1 L ≈ 0,82 kg
assay (GC) ..... 99 %
boiling range ..... 156 – 158 °C
refractive index (n_D^{20}) 1,419

R: 22 S: 24/25
disposal: 6

FL. 2904 — 1 L — 22,25 — 18,90 — 17,80 — 17,

62644 **2-Hexanol** PROSYNTH®
A 3/4 — *Hexanol-2 / 2-Hexanol*
C 3.3 2282 3
+58 °C
$CH_3(CH_2)_3CH(OH)CH_3$
$C_6H_{14}O$ $M = 102{,}18$ g/mol — 1 L ≈ 0,81 kg
assay (GC) ..... 97 %
boiling range ..... 137 – 140 °C
refractive index (n_D^{20}) 1,414

R: 22 S: 24/25
disposal: 6

FL. 2904 — 100 ml — 69,50 — 59,10 — 55,60 — 52,

62645 **3-Hexanol** PROSYNTH®
A 3/3 — *Hexanol-3 / 3-Hexanol*
C 3.3 2282 3
+45 °C
$CH_3CH_2CH_2CH(OH)CH_2CH_3$
$C_6H_{14}O$ $M = 102{,}18$ g/mol — 1 L ≈ 0,82 kg
assay (GC) ..... 96 %
boiling range ..... 134 – 136 °C
refractive index (n_D^{20}) 1,417

R: 10-20/22 S: 24/25
disposal: 6

FL. 2904 — 100 ml — 50,50 — 42,95 — 40,40 — 37,

6-Hexanolactone see ε-Caprolactone

30817 **Hexanone-(2)** min. 99,9% for gas chromatography
A 3/3 — *Hexanone-(2) / Hexanona-(2)*
C 3.3 1224 2
+31 °C
$CH_3(CH_2)_3COCH_3$
$C_6H_{12}O$ $M = 100{,}16$ g/mol — 1 L ≈ 0,81 kg

R: 10 disposal: 6

FL. 2913 — 5 ml — 49,25 — 41,85 — 39,40 — 36,

62646 **Hexanone-(2)** PROSYNTH®
A 3/3 — *Hexanone-(2) / Hexanona-(2)*
C 3.3 1224 2
+31 °C
$CH_3(CH_2)_3COCH_3$
$C_6H_{12}O$ $M = 100{,}16$ g/mol — 1 L ≈ 0,81 kg
assay (GC) ..... 98 %
boiling range ..... 126 – 128 °C
refractive index (n_D^{20}) 1,401

R: 10 disposal: 6

FL. 2913 — 100 ml — 32,25 — 27,40 — 25,80 — 24,

30819 **Hexanone-(3)** min. 99,9% for gas chromatography
A 3/1A — *Hexanone-(3) / Hexanona-(3)*
C 3.2 1224 2
+14 °C
$CH_3CH_2CH_2COC_2H_5$
$C_6H_{12}O$ $M = 100{,}16$ g/mol — 1 L ≈ 0,82 kg

R: 11 S: 9-16-33
disposal: 6

FL. 2913 — 5 ml — 49,25 — 41,85 — 39,40 — 3[illegible]

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refer explanations

lumber OR GGVS CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	Hexanone-(3) PROSYNTH® *Hexanone-(3) / Hexanona-(3)* $CH_3CH_2CH_2COC_2H_5$ $C_6H_{12}O$ *M* = 100,16 g/mol **1 L ≈ 0,82 kg** assay (GC) ..... 97% boiling range ..... 122–124 °C R: 11 S: 9-16-33 disposal: 6	FL. *2913*	50 ml	30,25	25,70	24,20	22,70
	Hexatriacontane PROSYNTH® *Hexatriacontane / Hexatriacontano* $CH_3(CH_2)_{34}CH_3$ $C_{36}H_{74}$ *M* = 506,98 g/mol assay (GC) ..... 95% melting range ..... 73–76 °C	WG. *2901*	10 g	28,75	24,45	23,–	21,55
24 2	**1-Hexene** PROSYNTH® *Hexène-(1) / Hexeno-(1)* $CH_3(CH_2)_3CH=CH_2$ C_6H_{12} *M* = 84,16 g/mol **1 L ≈ 0,67 kg** assay (GC) ..... 99% boiling range ..... 63–65 °C refractive index (n_D^{20}) ..... 1,388 R: 11 S: 9-16-33 disposal: 6	FL. *2901*	100 ml	16,50	14,05	13,20	12,40
370 2	**2-Hexene** PROSYNTH® mixture of *cis*- and *trans*-isomers *Hexène-(2) / Hexeno-(2)* $CH_3CH_2CH_2CH=CHCH_3$ C_6H_{12} *M* = 84,16 g/mol **1 L ≈ 0,68 kg** assay (GC) ..... 99% boiling range ..... 67–69 °C refractive index (n_D^{20}) ..... 1,398 R: 11 S: 9-16-33 disposal: 6	FL. *2901*	25 ml	108,50	92,25	86,80	81,40
993 2	***cis*-2-Hexene** PROSYNTH® *cis-2-Hexène / cis-2-Hexeno* $CH_3CH_2CH_2CH=CHCH_3$ C_6H_{12} *M* = 84,16 g/mol **1 L ≈ 0,68 kg** assay (GC) ..... 99% boiling range ..... 68–78 °C refractive index (n_D^{20}) ..... 1,398 R: 11 S: 9-16-33 disposal: 6	FL. *2901*	5 ml	45,–	38,25	36,–	33,75
1993 2	***trans*-2-Hexene** PROSYNTH® *trans-2-Hexène / trans-2-Hexeno* $CH_3CH_2CH_2CH=CHCH_3$ C_6H_{12} *M* = 84,16 g/mol **1 L ≈ 0,68 kg** assay (GC) ..... 99% boiling range ..... 65–67 °C refractive index (n_D^{20}) ..... 1,394 R: 11 S: 9-16-33 disposal: 6	FL. *2901*	5 ml	33,75	28,70	27,–	25,30
1993 2	***trans*-3-Hexene** PROSYNTH® *trans-3-Hexène / trans-3-Hexeno* $CH_3CH_2CH=CHCH_2CH_3$ C_6H_{12} *M* = 84,16 g/mol **1 L ≈ 0,68 kg** assay (GC) ..... 99% boiling range ..... 66–68 °C refractive index (n_D^{20}) ..... 1,394 R: 11 S: 9-16-33 disposal: 6	FL. *2901*	5 ml	62,–	52,70	49,60	46,50

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)	Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	9 (16 B
64078 **2-Hexene-(1)-al** PROSYNTH® A 3/3 *Hexène-(2)-al-(1) / Hexeno-(2)-al-(1)* C 3.3 1987 2 $CH_3(CH_2)_2CH=CHCHO$ +30 °C $C_6H_{10}O$ M = 98,14 g/mol **1 L ≈ 0,85 kg** assay (GC) ..... 99 % boiling range (at 23 mbar) ..... 45–47 °C refractive index (n_D^{20}) ..... 1,446 R: 10 disposal: 14	FL. *2911*	5 ml	34,50	29,35	27,60	25
65021 **2-Hexene-4-ol** PROSYNTH® mixture of *cis*- and *trans*-isomers A 3/1A *Hexène-2-ol-4 / Hexeno-2-ol-4* C 3.2 1987 2 $CH_3CH_2CH(OH)CH=CH_3$ +11 °C $C_6H_{12}O$ M = 100,16 g/mol **1 L ≈ 0,84 kg** assay (GC) ..... 99 % boiling range ..... 134–136 °C refractive index (n_D^{20}) ..... 1,434 R: 11 S: 9-16-33 disposal: 6	FL. *2904*	10 ml	43,75	37,20	35,–	32
63857 **5-Hexene-1-ol** PROSYNTH® A 3/3 *Hexène-(5)-ol-(1) / Hexeno-(5)-ol-(1)* C 3.3 1987 2 $HOCH_2CH_2CH_2CH_2CH=CH_2$ +30 °C $C_6H_{12}O$ M = 100,16 g/mol **1 L ≈ 0,84 kg** assay (GC) ..... 97 % boiling range (at 15 mbar) ..... 54–56 °C refractive index (n_D^{20}) ..... 1,435 R: 10 disposal: 6	FL. *2904*	5 ml	75,50	64,20	60,40	56
Hexene-(1)-on-(5) see Allylacetone						
n-Hexoic acid see n-Caproic acid						
64588 **Hexyl acetate** PROSYNTH® A 3/3 *Hexyle acétate / Hexilo acetato* C 3.3 1993 2 $CH_3COO(CH_2)_5CH_3$ +41 °C $C_8H_{16}O_2$ M = 144,21 g/mol **1 L ≈ 0,87 kg** assay (GC) ..... 97 % boiling range ..... 167–170 °C refractive index (n_D^{20}) ..... 1,409 R: 10 disposal: 6	FL. *2914*	500 ml	20,25	17,20	16,20	15
Hexylalcohol see Hexanol-(1)						
62655 **Hexylamine** PROSYNTH® A 8/35 *Hexylamine / Hexilamina* C 3.3 2733 2 $CH_3(CH_2)_5NH_2$ 29 °C $C_6H_{15}N$ M = 101,19 g/mol **1 L ≈ 0,76 kg** assay (GC) ..... 99 % boiling range ..... 128–130 °C refractive index (n_D^{20}) ..... 1,420 R: 10-36/37/38 S: 28 disposal: 19	FL. *2922*	100 ml	10,–	8,50	8,–	7
60476 **4-Hexylbenzaldehyde** PROSYNTH® C 3.3 1989 2 *4-Hexylbenzaldéhyde / 4-Hexilbenzaldehído* +54 °C $CH_3(CH_2)_5C_6H_4CHO$ $C_{13}H_{18}O$ M = 190,28 g/mol **1 L ≈ 0,94 kg** assay (GC) ..... 99 % R: 10 disposal: 14	FL. FL. *2911*	25 ml 1 L	181,– 4669,–	153,85 3968,65	144,80 3735,20	135 3595
Hexylbenzene see 1-Phenylhexane						
Hexyl cyanide see Enanthonitrile						
Hexyleneglycol see 2-Methylpentanediol-(2,4)						
n-**Hexyl iodide** see 1-Iodohexane						

refer explanations

Number / ADR / E/GGVS / G-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
3	**4-Hexylresorcinol** (4-Hexylresorcin) N. F. XIV *4-Hexylrésorcinol / 4-Hexilresorcina* $C_6H_3(OH)_2C_6H_{13}[1,3,4]$ $C_{12}H_{18}O_2$ $M = 194{,}27$ g/mol	BL. FTP. 2906	1 kg 10 kg	438,—	372,30 price on request	350,40	337,25
2 A 1993 2	**Hexyne-(1)** PROSYNTH® *Hexyne-(1) / Hexino-(1)* $CH_3(CH_2)_3C \equiv CH$ C_6H_{10} $M = 82{,}15$ g/mol **1 L ≈ 0,72 kg** assay (GC) ..... 99% boiling range ..... 71—73 °C refractive index (n_D^{20}) ..... 1,399 R: 11 S: 9-16-33 disposal: 6	FL. 2901	100 ml	120,—	102,—	96,—	90,—
53 A 1993 2	**Hexyne-(2)** PROSYNTH® *Hexyne-(2) / Hexino-(2)* $CH_3CH_2CH_2C \equiv CCH_3$ C_6H_{10} $M = 82{,}15$ g/mol **1 L ≈ 0,73 kg** assay (GC) ..... 98% boiling range ..... 82—84 °C refractive index (n_D^{20}) ..... 1,414 R: 11 S: 9-16-33 disposal: 6	FL. 2901	25 ml	82,50	70,15	66,—	61,90
54 A 1993 2	**Hexyne-(3)** PROSYNTH® *Hexyne-(3) / Hexino-(3)* $CH_3CH_2C \equiv CCH_2CH_3$ C_6H_{10} $M = 82{,}15$ g/mol **1 L ≈ 0,72 kg** assay (GC) ..... 99% boiling range ..... 80—82 °C refractive index (n_D^{20}) 1,412	FL. 2901	25 ml	53,—	45,05	42,40	39,75

High-Pressure Liquid Chromatography (HPLC)

37	**HPLC-glass column length 30 cm pre-packed with silica gel 60** 0,010 mm (10 µm)	9025	1 pack	186,—
39	**HPLC-glass column length 30 cm pre-packed with silica gel 60 C_8-reverse phase** 0,010 mm (10 µm)	9025	1 pack	186,—
38	**HPLC-glass column length 15 cm pre-packed with silica gel 60** 0,010 mm (10 µm)	9025	1 pack	147,50
40	**HPLC-glass column length 15 cm pre-packed with silica gel 60 C_8-reverse phase** 0,010 mm (10 µm)	9025	1 pack	147,50
41	**HPLC-glass column length 30 cm pre-packed with silica gel 60 C_{18}-reverse phase** 0,010 mm (10 µm)	9025	1 pack	186,—
42	**HPLC-glass column length 15 cm pre-packed with silica gel 60 C_{18}-reverse phase** 0,010 mm (10 µm)	9025	1 pack	147,50
43	**HPLC-glass column length 30 cm pre-packed with silica gel 60 CN** 0,010 mm (10 µm)	9025	1 pack	186,—
44	**HPLC-glass column length 15 cm pre-packed with silica gel 60 CN** 0,010 mm (10 µm)	9025	1 pack	147,50
45	**HPLC-glass column length 30 cm pre-packed with silica gel 60 NO_2** 0,010 mm (10 µm)	9025	1 pack	186,—
46	**HPLC-glass column length 15 cm pre-packed with silica gel 60 NO_2** 0,010 mm (10 µm)	9025	1 pack	147,50
47	**HPLC-glass column length 30 cm pre-packed with silica gel 60 NH_2** 0,010 mm (10 µm)	9025	1 pack	186,—

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	
39948	**HPLC-glass column length 15 cm pre-packed with silica gel 60 NH_2** 0,010 mm (10 µm)	*9025*	1 pack	147,50			
37990	**HPLC-column unit** complete according to K. W. Stahl *Colonne-HPLC / Columna-HPLC*	*7017*	1 pack	price on request			
39965	**HPLC-glass column** empty, 30 cm, for steel jacket	*9025*	1 pack	45,—	38,25	36,—	3
39964	**HPLC-glass column** empty, 15 cm, for steel jacket	*9025*	1 pack	41,25	35,05	33,—	3
39963	**Kit of capillary connecting tubes and T connection 1/16''** for steel jacket of HPLC-glass column	*9025*	1 pack	164,—			
39960	**Steel jacket for HPLC-glass column length 30 cm**	*9025*	1 pack	458,—			
39961	**Steel jacket for HPLC-glass column length 15 cm**	*9025*	1 pack	426,—			
39962	**Kit of gaskets** for steel jacket of HPLC-glass column	*9025*	1 pack	27,25			
	High vacuum grease see Silicone TLC high vacuum grease						
63515	**Hippuric acid** PROSYNTH® *Acide hippurique / Acido hipúrico* $C_6H_5CONHCH_2COOH$ $C_9H_9NO_3$ M = 179,18 g/mol assay (alkalimetric) ..... 99% melting range ..... 187–189 °C	WG. *2925*	250 g	51,50	43,80	41,20	3
39210	**Histamine dihydrochloride** BIOSYNTH® *Histamine dichlorhydrate / Histamina diclorhidrato* $\underline{NHCH=NCH=}CCH_2CH_2NH_2 \cdot 2HCl$ $C_5H_{11}Cl_2N_3$ M = 184,07 g/mol assay (ex Cl) ..... 99% melting range ..... 247–249 °C	WG. *2935*	10 g	80,—	68,—	64,—	6
39015	**L(-)-Histidine** BIOSYNTH® *L(-)-Histidine / L(-)-Histidina* $\underline{NHCH=NCH=}CCH_2CH(NH_2)COOH$ $C_6H_9N_3O_2$ M = 155,16 g/mol assay (ex N) ..... 99% specific rotation ($[\alpha]_D^{20}$; c = 1 in H_2O) ..... −39,4° ±2°	WG. *2935*	25 g	20,50	17,45	16,40	1
39016	**L(+)-Histidine monohydrochloride monohydrate** BIOSYNTH® *L(+)-Histidine monochlorhydrate monohydraté / L(+)-Histidina monoclorhidrato monohidrato* $\underline{NHCH=NCH=}CCH_2CH(NH_2)COOH \cdot HCl \cdot H_2O$ $C_6H_{10}ClN_3O_2 \cdot H_2O$ M = 209,63 g/mol assay (ex Cl) ..... 99% specific rotation ($[\alpha]_D^{20}$; c = 11 in HCl 6 mol/l) .... +9,3° ±0,4°	WG. *2935*	50 g	27,75	23,60	22,20	2
	HMDS see Hexamethydisilazane						
10568	**Holmium** powder *Holmium / Holmio* Ho M = 164,93 g/mol assay 99%	WG. *2805*	1 g	32,50	27,65	26,—	2
10578	**Holmium(III) chloride** *Holmium(III) chlorure / Holmio(III) cloruro* $HoCl_3$ M = 271,29 g/mol assay 99%	FL. *2852*	1 g	75,—	63,75	60,—	5

e-Number D/ADR VE/GGVS DG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
69 2811 3	**Holmium fluoride** *Holmium fluorure / Holmio fluoruro* HoF_3 $M = 221{,}93$ g/mol	FL. *2852*	1 g	27,75	23,60	22,20	20,80
70	**Holmium oxide** *Holmium oxyde / Holmio óxido* Ho_2O_3 $M = 377{,}86$ g/mol	WG. *2852*	10 g	82,50	70,15	66,—	61,90
215	**DL-Homocysteine** BIOSYNTH® *DL-Homocystéine / DL-Homocisteína* $HOOCCH(NH_2)CH_2CH_2SH$ $C_4H_9NO_2S$ $M = 135{,}19$ g/mol assay (ex N) ..... 99% keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	WG. *2931*	1 g	64,—	54,40	51,20	48,—
216	**DL-Homocysteine thiolactone hydrochloride** BIOSYNTH® *DL-Homocystéine thiolactone chlorhydrate /* *DL-Homocisteína tiolactona clorhidrato* $SCH_2CH_2CH(NH_2)CO \cdot HCl$ C_4H_8ClNOS $M = 153{,}63$ g/mol	WG. *2931*	25 g	46,25	39,30	37,—	34,70
	Homopyrocatechol see Methylpyrocatechol						
205	**DL-Homoserine** BIOSYNTH® *DL-Homosérine / DL-Homoserina* $HOCH_2CH_2CH(NH_2)COOH$ $C_4H_9NO_3$ $M = 119{,}12$ g/mol assay (titration) 97%	WG. *2923*	10 g	130,—	110,50	104,—	97,50
9204	**L-Homoserine** BIOSYNTH® *L-Homosérine / L-Homoserina* $HOCH_2CH_2CH(NH_2)COOH$ $C_4H_9NO_3$ $M = 119{,}12$ g/mol	FL. *2923*	1 g	137,50	116,90	110,—	103,15
3248	**Homovanillinic acid** R. G. *Acide homovanillinique / Acido homovainillínico* $HOC_6H_3(OCH_3)CH_2COOH$ $C_9H_{10}O_4$ $M = 182{,}18$ g/mol	FL. *2916*	1 g	40,25	34,20	32,20	30,20
	Homoveratronitrile see Veratryl cyanide						
	Homoveratrum acid see 3,4-Dimethoxyphenylacetic acid						
3516 8/35 8 1760 2	**Homoveratrylamine** PROSYNTH® *Homovératrylamine / Homoveratrilamina* $(CH_3O)_2C_6H_3CH_2CH_2NH_2$ $C_{10}H_{15}NO_2$ $M = 181{,}23$ g/mol 1 L ≈ 1,09 kg assay (ex N) ..... 98% boiling range (at 20 mbar) ..... 186—188 °C refractive index (n_D^{20}) 1,546	FL. *2923*	50 ml	42,25	35,90	33,80	31,70
	Horne's compound see Lead acetate basic for sugar analysis according to Horne						
9379	**Hyaluronic acid** BIOSYNTH® origin: human umbilical cord *Acide hyaluronique / Acido hialurónico* package of 50 mg $(C_{14}H_{21}NO_{10})_n$ $M = (363{,}32)_n$ g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	*2935*	1 pack	193,—	164,05	154,40	144,75

HYDRANAL® a new Karl Fischer reagent

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	9 (16 B
39380	**Hyaluronic acid potassium salt** BIOSYNTH® origin: human umbilical cord *Acide hyaluronique sel potassique / Acido hialurónico sal potásica* package of 100 mg $(C_{14}H_{20}KNO_{10})_n$ $M = (401,41)_n$ g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	*2935*	1 pack	68,—	57,80	54,40	51
	Hyamine C see Tissue solubilizer						
56016	**Hyamine® 10 X** for scintillation *Hyamine® 10 X / Hyamine® 10 X* ® = trade mark of Rohm & Haas Comp., USA $C_{28}H_{44}ClNO_2$ $M = 462,11$ g/mol	WG. *2924*	500 g	80,50	68,45	64,40	62
65023	**Hydantoic acid** PROSYNTH® *Acide hydantoïnique / Acido hidantoinico* $NH_2CONHCH_2COOH$ $C_3H_6N_2O_3$ $M = 118,09$ g/mol assay 97%	WG. *2925*	100 g	49,50	42,10	39,60	37
62656	**Hydantoin** PROSYNTH® *Hydantoïne / Hidantoina* $NHCONHCOCH_2$ $C_3H_4N_2O_2$ $M = 100,08$ g/mol assay (ex N) ..... 99% melting range ..... 218—220 °C	WG. *2925*	25 g	15,50	13,20	12,40	11
34800 A 3/5 C 3.2 1230 2 +11 °C	**HYDRANAL® solvent** solvents for modified Karl Fischer titration R: 11-23/25 S: 2-7-16-24 disposal: 5	FL. *3819*	1 L	46,50	39,55	37,20	35
34802 A 3/5 C 3.2 1230 2 +11 °C	**HYDRANAL® standard methanol** of 5,00 mg water/ml R: 11-23/25 S: 2-7-16-24 disposal: 5	FL. *2904*	500 ml	27,25	23,15	21,80	21
34803	**HYDRANAL® standard sodium tartrat** sodium tartrat dihydrate of 15,66% ± 0,05% water assay ..... min. 99% water content ..... 15,66 ± 0,05% pH range (5%, 20 °C) ..... 7—9 ammonium (NH_4) ..... max. 0,005% calcium (Ca) ..... max. 0,005% iron (Fe) ..... max. 0,0005% heavy metals (as Pb) ..... max. 0,0005% chloride (Cl) ..... max. 0,001% phosphate (PO_4) ..... max. 0,001% sulphate (SO_4) ..... max. 0,005%	PF. *2916*	500 g	43,75	37,20	35,—	33
34801 A 3/5 C 3.2 1230 2 +11 °C	**HYDRANAL® titrant** titration medium for modified Karl Fischer titration R: 11-23/25 S: 2-7-16-24 disposal: 5	FL. *3819*	1 L	46,50	39,55	37,20	35
62657	**Hydratropic acid** PROSYNTH® *Acide hydratropique / Acido hidratrópico* $C_6H_5CH(CH_3)COOH$ $C_9H_{10}O_2$ $M = 150,18$ g/mol 1 L ≈ 1,10 kg assay (GC) ..... 95% boiling range ..... 257—260 °C refractive index (n_D^{20}) 1,523	FL. *2914*	5 ml	35,—	29,75	28,—	26

Number DR /GGVS -CODE (GGVSee)	Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
Hydrazine dichloride *Hydrazine dichlorhydrate / Hidracinio diclorhidrato* $NH_2NH_2 \cdot 2HCl$ $(N_2H_6)Cl_2$ *M* = 104,97 g/mol assay ..... 99% residue on ignition ..... 0,05% R: 23/24/25 S: 44 disposal: 10	PF. PF. *2828*	100 g 1 kg	11,— 70,50	9,35 59,95	8,80 56,40	8,25 54,30
Hydrazine hydrate solution about 24% *Hydrazine hydrate en solution / Hidracinio hidrato en solución* $NH_2NH_2 \cdot H_2O$ $N_2H_4 \cdot H_2O$ *M* = 50,06 g/mol 1 L ≈ 1,01 kg R: 24/25-34 S: 26 disposal: 19	PF. PK. STP. *2828*	1 L 5 L 30 kg	18,75 69,50	15,95 57,70 price on request	15,— 54,20	14,05 52,15
Hydrazine hydrate solution about 80% *Hydrazine hydrate en solution / Hidracinio hidrato en solución* $NH_2NH_2 \cdot H_2O$ $N_2H_4 \cdot H_2O$ *M* = 50,06 g/mol 1 L ≈ 1,03 kg R: 10-26/27/28-34-40 S: 36/37/39-45 disposal: 10	PF. PF. PF. STP. *2828*	250 ml 500 ml 1 L 30 kg	14,75 23,75 43,75	12,55 20,20 37,20 price on request	11,80 19,— 35,—	11,05 17,80 33,70
Hydrazinium hydroxide solution see Hydrazine hydrate solution						
Hydrazinium sulphate R. G., Reag. ACS *Hydrazine sulfate / Hidracinio sulfato* $NH_2NH_2 \cdot H_2SO_4$ $H_6N_2O_4S$ *M* = 130,12 g/mol assay ..... min. 99% residue on igniton (as sulphates) ..... max. 0,05% insoluble in water ..... max. 0,005% iron (Fe) ..... max. 0,0005% heavy metals (as Pb) ..... max. 0,0005% chloride (Cl) ..... max. 0,0005% R: 23/24/25 S: 44 disposal: 10	PF. PF. PF. *2828*	100 g 250 g 1 kg	10,50 19,75 65,50	8,95 16,80 55,70	8,40 15,80 52,40	7,90 14,80 50,45
Hydrazobenzene PROSYNTH® *Hydrazobenzène / Hidrazobenceno* $C_6H_5NHNHC_6H_5$ $C_{12}H_{12}N_2$ *M* = 184,24 g/mol assay ..... 98% melting range ..... 123—126 °C	WG. *2929*	100 g	30,—	25,50	24,—	22,50
Hydrindantin dihydrate R. G. *Hydrindantine dihydrate / Hidrindantina dihidrato* $\underline{COC_6H_4COC}(OH)\underline{C(OH)COC_6H_4CO} \cdot 2H_2O$ $C_{18}H_{10}O_6 \cdot 2H_2O$ *M* = 358,30 g/mol	WG. *2913*	25 g	52,50	44,65	42,—	39,40
Hydrindene PROSYNTH® *Hydrindène / Hidrindeno* $\underline{C_6H_4CH_2CH_2CH_2}$ C_9H_{10} *M* = 118,18 g/mol 1 L ≈ 0,96 kg assay (GC) ..... 98% boiling range ..... 176—178 °C refractive index (n_D^{20}) ..... 1,537 R: 10 disposal: 6	FL. *2901*	100 ml	49,25	41,85	39,40	36,95

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	(16
30311 A 8/5 C 8 1787 2	**Hydriodic acid** min. 67% R. G. *Acide iodhydrique / Acido yodhídrico* HJ $M = 127{,}91$ g/mol — 1 L ≈ 1,97 kg assay of HI ..... min. 67% residue on ignition (as sulphates) ..... max. 0,01% arsenic (As) ..... max. 0,0001% lead (Pb) ..... max. 0,00005% cadmium (Cd) ..... max. 0,00005% iron (Fe) ..... max. 0,0002% copper (Cu) ..... max. 0,00005% zinc (Zn) ..... max. 0,00005% chloride and bromide (as Cl) ..... max. 0,02% phosphorus compounds (as PO_4) ..... max. 0,001% sulphate (SO_4) ..... max. 0,002% alkoxy groups ..... passes test	FL. FL. *2901*	50 ml 250 ml	24,25 97,50	20,60 82,90	19,40 78,—	1 7
30330 A 8/5 C 8 1787 2	**Hydriodic acid** 57% R. G., stabilized with hypophosphorous acid *Acide iodhydrique / Acido yodhídrico* HJ $M = 127{,}91$ g/mol — 1 L ≈ 1,70 kg assay of HI ..... min. 57% stabilizer (H_3PO_2) ..... max. 0,5% non-volatile matter ..... max. 0,5% arsenic (As) ..... max. 0,0001% iron (Fe) ..... max. 0,0002% heavy metals (as Pb) ..... max. 0,0005% chloride and bromide (as Cl) ..... max. 0,02% sulphate (SO_4) ..... max. 0,002% R: 34 S: 26 disposal: 1	FL. FL. FL. *2813*	100 ml 250 ml 1 L	29,— 65,50 222,—	24,65 55,70 188,70	23,20 52,40 177,60	2 4 17
03206 A 8/5 C 8 1787 2	**Hydriodic acid** *Acide iodhydrique / Acido yodhídrico* HJ $M = 127{,}91$ g/mol — 1 L ≈ 1,70 kg R: 34 S: 26 disposal: 1	FL. FL. STP. *2813*	250 ml 1 L 45 kg	43,— 142,—	36,55 120,70 price on request	34,40 113,60	3 10
64079	**Hydrobenzamide** PROSYNTH® *Hydrobenzamide / Hidrobenzamida* $C_6H_5CH(N=CHC_6H_5)_2$ $C_{21}H_{18}N_2$ $M = 298{,}39$ g/mol assay (ex N) ..... 98% melting range ..... 99—101 °C	WG. *2922*	10 g	27,75	23,60	22,20	2
02205 A 8/5 C 8 1788 2	**Hydrobromic acid** about 63% *Acide bromhydrique / Acido bromhídrico* HBr $M = 80{,}91$ g/mol — 1 L ≈ 1,73 kg assay ..... 63% iron (Fe) ..... 0,0005% heavy metals (as Pb) ..... 0,0005% sulphate (SO_4) ..... 0,005% R: 34-37 S: 7/9-26 disposal: 1	FL. FL. FL. *2813*	250 ml 1 L 2,5 L	16,— 48,— 105,—	13,60 40,80 87,15	12,80 38,40 81,90	1 3 7
30204 A 8/5 C 8 1788 2	**Hydrobromic acid** about 48% R. G., Reag. ACS, Reag. ISO *Acide bromhydrique / Acido bromhídrico* HBr $M = 80{,}91$ g/mol — 1 L ≈ 1,49 kg assay ..... min. 48% residue on ignition (as sulphates) ..... max. 0,002% arsenic (As) ..... max. 0,00005% lead (Pb) ..... max. 0,00005% cadmium (Cd) ..... max. 0,00005% iron (Fe) ..... max. 0,0001% copper (Cu) ..... max. 0,00005% selenium (Se) ..... max. 0,00001% zinc (Zn) ..... max. 0,00005% chloride (Cl) ..... max. 0,02% iodide (I) ..... max. 0,002% phosphate (PO_4) ..... max. 0,0002% sulphite and sulphite (as SO_4) ..... max. 0,003% R: 34-37 S: 7/9-26 disposal: 1	FL. FL. *2813*	250 ml 1 L	18,75 53,—	15,95 45,05	15,— 42,40	1 4

refer explanations

Number DR / GGVS / CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
8 2	**Hydrobromic acid** about 48% *Acide bromhydrique / Acido bromhídrico* HBr $M = 80{,}91$ g/mol — 1 L ≈ 1,49 kg assay ..... 48–49% residue on ignition (as sulphates) ..... 0,005% iron (Fe) ..... 0,0005% heavy metals (as Pb) ..... 0,0005% sulphate and sulphite (as SO_4) ..... 0,005% R: 34-37 S: 7/9-26 disposal: 1	FL. FL. FL. STP. *2813*	500 ml 1 L 2,5 L 90 kg	21,50 39,25 85,50	18,30 33,35 70,95 price on request	17,20 31,40 66,70	16,55 30,20 64,15
	Hydrobromic acid in acetic glacial see Hydrogen bromide						
1 89 2	**Hydrochloric acid** min. 37% R. G., Reag. ISO, Reag. Ph. Eur. I *Acide chlorhydrique / Acido clorhídrico* HCl $M = 36{,}46$ g/mol — 1 L ≈ 1,19 kg assay ..... min. 37% residue on ignition (as sulphates) ..... max. 0,0005% ammonium (NH_4) ..... max. 0,0001% arsenic (As) ..... max. 0,000001% lead (Pb) ..... max. 0,000005% cadmium (Cd) ..... max. 0,000001% calcium (Ca) ..... max. 0,0002% iron (Fe) ..... max. 0,00005% copper (Cu) ..... max. 0,000005% zinc (Zn) ..... max. 0,00001% free chlorine (Cl) ..... max. 0,00005% sulphate (SO_4) ..... max. 0,0001% sulphite (SO_3) ..... max. 0,0002% R: 34-37 S: 2-26 disposal: 1	FL. FL. FPF. FPF. FPF. FPF. *2806*	1 L 2,5 L 30 kg 65 kg 5x 10x	12,— 20,50 kg kg kg kg	10,20 17,— 3,50 2,50 2,35 2,25	9,35 16,—	8,90 15,40
9 89 2	**Hydrochloric acid** min. 37% R. G., for determination of mercury HCl $M = 36{,}46$ g/mol — 1 L ≈ 1,19 kg assay ..... min. 37% residue on ignition (as sulphates) ..... max. 0,0005% ammonium (NH_4) ..... max. 0,0001% arsenic (As) ..... max. 0,000001% lead (Pb) ..... max. 0,000005% cadmium (Cd) ..... max. 0,000001% calcium (Ca) ..... max. 0,0002% iron (Fe) ..... max. 0,00005% copper (Cu) ..... max. 0,000005% mercury (Hg) ..... max. 0,0000005% zinc (Zn) ..... max. 0,00001% free chlorine (Cl) ..... max. 0,00005% sulphate (SO_4) ..... max. 0,0001% sulphite (SO_3) ..... max. 0,0002% R: 34-37 S: 2-26 disposal: 1	FL. *2806*	2,5 L	27,—	22,40	21,05	20,25

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM 1x	6x (1 Box)	24x (4 Boxes)
17932 A 8/5 C 8 1789 2	**Hydrochloric acid** min. 37% **MOS** PURANAL® particle class 1 *Acide chlorhydrique / Acido clorhídrico*	FL. *2806*	2,5 L	price on request	

HCl $M = 36{,}46$ g/mol — **1 L ≈ 1,19 kg**

assay	min. 37%
residue of ignition (as sulphates)	max. 5 ppm
aluminium (Al)	max. 0,05 ppm
antimony (Sb)	max. 0,01 ppm
arsenic (As)	max. 0,01 ppm
barium (Ba)	max. 0,1 ppm
beryllium (Be)	max. 0,01 ppm
lead (Pb)	max. 0,02 ppm
boron (B)	max. 0,02 ppm
cadmium (Cd)	max. 0,01 ppm
calcium (Ca)	max. 0,2 ppm
chromium (Cr)	max. 0,01 ppm
iron (Fe)	max. 0,2 ppm
gallium (Ga)	max. 0,02 ppm
gold (Au)	max. 0,02 ppm
indium (In)	max. 0,02 ppm
potassium (K)	max. 0,1 ppm
cobalt (Co)	max. 0,01 ppm
copper (Cu)	max. 0,01 ppm
lithium (Li)	max. 0,02 ppm
magnesium (Mg)	max. 0,1 ppm
manganese (Mn)	max. 0,01 ppm
molybdenum (Mo)	max. 0,01 ppm
sodium (Na)	max. 0,5 ppm
nickel (Ni)	max. 0,01 ppm
platinum (Pt)	max. 0,02 ppm
silver (Ag)	max. 0,02 ppm
strontium (Sr)	max. 0,02 ppm
thallium (Tl)	max. 0,02 ppm
titanium (Ti)	max. 0,01 ppm
vanadium (V)	max. 0,01 ppm
bismuth (Bi)	max. 0,02 ppm
zinc (Zn)	max. 0,05 ppm
tin (Sn)	max. 0,02 ppm
zirconium (Zr)	max. 0,01 ppm
free chlorine (Cl)	max. 0,5 ppm
sulphate (SO_4)	max. 1 ppm
sulphite (SO_3)	max. 2 ppm

R: 34-37 S: 2-26
disposal: 1

refer explanations

Number DR /GGVS CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	Hydrochloric acid min. 37%, PURANAL® *Acide chlorhydrique / Acido clorhídrico*	FL. FPF. *2806*	2,5 L 30 kg	price on request price on request			
9 2	HCl *M* = 36,46 g/mol **1 L ≈ 1,19 kg** assay ..... min. 37% residue on ignition (as sulphates) ..... max. 5 ppm aluminium (Al) ..... max. 0,05 ppm antimony (Sb) ..... max. 0,01 ppm arsenic (As) ..... max. 0,01 ppm barium (Ba) ..... max. 0,1 ppm beryllium (Be) ..... max. 0,01 ppm lead (Pb) ..... max. 0,02 ppm Boron (B) ..... max. 0,02 ppm cadmium (Cd) ..... max. 0,01 ppm calcium (Ca) ..... max. 0,2 ppm chromium (Cr) ..... max. 0,01 ppm iron (Fe) ..... max. 0,2 ppm gallium (Ga) ..... max. 0,02 ppm gold (Au) ..... max. 0,02 ppm indium (In) ..... max. 0.02 ppm potassium (K) ..... max. 0,1 ppm cobalt (Co) ..... max. 0,01 ppm copper (Cu) ..... max. 0,01 ppm lithium (Li) ..... max. 0,02 ppm magnesium (Mg) ..... max. 0,1 ppm manganese (Mn) ..... max. 0,01 ppm molybdenum (Mo) ..... max. 0,01 ppm sodium (Na) ..... max. 0,5 ppm nickel (Ni) ..... max. 0,01 ppm platinum (Pt) ..... max. 0,02 ppm silver (Ag) ..... max. 0,02 ppm strontium (Sr) ..... max. 0,02 ppm thallium (Tl) ..... max. 0,02 ppm titanium (Ti) ..... max. 0,01 ppm vanadium (V) ..... max. 0,01 ppm bismuth (Bi) ..... max. 0,02 ppm zinc (Zn) ..... max. 0,05 ppm tin (Sn) ..... max. 0,02 ppm zirconium (Zr) ..... max. 0,01 ppm free chlorine (Cl) ..... max. 0,5 ppm sulphate (SO_4) ..... max. 1 ppm sulphite (SO_3) ..... max. 2 ppm R: 34-37 S: 2-26 disposal: 1							
2	**Hydrochloric acid** 37% chem. pure *Acide chlorhydrique / Acido clorhídrico*	FL. FL. FPF. FPF. FPF. *2806*	1 L 2,5 L 30 kg 65 kg 5x 10x	11,75 19,— kg kg kg kg	10,— 15,75 2,75 2,45 2,25 2,10	9,15 14,80	8,70 14,25
89 2	HCl *M* = 36,46 g/mol **1 L ≈ 1,19 kg** assay ..... 37% residue on ignition ..... 0,0005% arsenic (As) ..... 0,00001% iron (Fe) ..... 0,0001% heavy metals (as Pb) ..... 0,0005% sulphate (SO_4) ..... 0,0002% R: 34-37 S: 2-26 disposal: 1							
0	**Hydrochloric acid** 32%, R. G. *Acide chlorhydrique / Acido clorhídrico*	FL. FL. FPF. FPF. *2806*	1 L 2,5 L 65 kg 5x	12,— 20,50 kg kg	10,20 17,— 2,50 2,35	9,35 16,—	8,90 15,40
89 2	HCl *M* = 36,46 g/mol **1 L ≈ 1,16 kg** assay ..... 31,9—32,1% residue on ignition ..... max. 0,0005% ammonium (NH_4) ..... max. 0,0003% arsenic (As) ..... max. 0,000001% lead (Pb) ..... max. 0,000005% cadmium (Cd) ..... max. 0,000001% calcium (Ca) ..... max. 0,0002% iron (Fe) ..... max. 0,00005% copper (Cu) ..... max. 0,000005% zinc (Zn) ..... max. 0,00001% free chlorine (Cl) ..... max. 0,00005% sulphate (SO_4) ..... max. 0,0001% sulphite (SO_3) ..... max. 0,0005% R: 34-37 S: 2-26 disposal: 1							

Code-Number
A) RID/ADR
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C) IMDG-CODE (GGVSee)

Type of package *B.T.N.* | Price per package DM | 1x | 6x (1 Box) | 24x (4 Boxes) | 96 (16 Bo

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17863 **Hydrochloric acid** min. 32%, PURANAL®
A 8/5 *Acide chlorhydrique / Acido clorhídrico*
C 8 1789 2

HCl *M* = 36,46 g/mol — 1 L ≈ 1,16 kg

assay	min. 32%
residue on ignition (as sulphates)	max. 5 ppm
aluminium (Al)	max. 0,05 ppm
antimony (Sb)	max. 0,01 ppm
arsenic (As)	max. 0,01 ppm
barium (Ba)	max. 0,1 ppm
beryllium (Be)	max. 0,01 ppm
lead (Pb)	max. 0,02 ppm
boron (B)	max. 0,02 ppm
cadmium (Cd)	max. 0,01 ppm
calcium (Ca)	max. 0,2 ppm
chromium (Cr)	max. 0,01 ppm
iron (Fe)	max. 0,2 ppm
gallium (Ga)	max. 0,02 ppm
gold (Au)	max. 0,02 ppm
indium (In)	max. 0,02 ppm
potassium (K)	max. 0,1 ppm
cobalt (Co)	max. 0,01 ppm
copper (Cu)	max. 0,01 ppm
lithium (Li)	max. 0,02 ppm
magnesium (Mg)	max. 0,1 ppm
manganese (Mn)	max. 0,01 ppm
molybdenum (Mo)	max. 0,01 ppm
sodium (Na)	max. 0,5 ppm
nickel (Ni)	max. 0,01 ppm
platinum (Pt)	max. 0,02 ppm
silver (Ag)	max. 0,02 ppm
strontium (Sr)	max. 0,02 ppm
thallium (Tl)	max. 0,02 ppm
titanium (Ti)	max. 0,01 ppm
vanadium (V)	max. 0,01 ppm
bismuth (Bi)	max. 0,02 ppm
zinc (Zn)	max. 0,05 ppm
tin (Sn)	max. 0,02 ppm
zirconium (Zr)	max. 0,01 ppm
free chlorine (Cl)	max. 0,5 ppm
sulphate (SO_4)	max. 1 ppm
sulphite (SO_3)	max. 2 ppm

R: 34-37 S: 2-26
disposal: 1

FL. 2,5 L price on request
FPF. 30 kg price on request
FPF. 65 kg price on request
2806

07115 **Hydrochloric acid** 32% chem. pure
A 8/5 *Acide chlorhydrique / Acido clorhîdrico*
C 8 1789 2

HCl *M* = 36,46 g/mol — 1 L ≈ 1,16 kg

assay	32%
residue on ignition	0,0005%
iron (Fe)	0,0001%
free chlorine (Cl)	0,0001%

R: 34-37 S: 2-26
disposal: 1

FL. 2,5 L price on request
FPF. 65 kg kg 2,45
FPF. 5x kg 2,25
FPF. 10x kg 2,10
2806

30723 **Hydrochloric acid** min. 25% R. G.
A 8/5 *Acide chlorhydrique / Acido clorhídrico*
C 8 1789 2

HCl *M* = 36,46 g/mol — 1 L ≈ 1,12 kg

assay	min. 25%
residue on ignition	max. 0,0005%
ammonium (NH_4)	max. 0,0003%
arsenic (As)	max. 0,000001%
lead (Pb)	max. 0,000005%
cadmium (Cd)	max. 0,000001%
calcium (Ca)	max. 0,0002%
iron (Fe)	max. 0,00005%
copper (Cu)	max. 0,000005%
zinc (Zn)	max. 0,00001%
free chlorine (Cl)	max. 0,00005%
sulphate (SO_4)	max. 0,0001%
sulphite (SO_3)	max. 0,0005%

R: 34-37 S: 2-26
disposal: 1

FL. 1 L 12,— 10,20 9,35
2806

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refer explanations

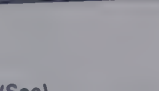
de-Number RID/ADR GGVE/GGVS MDG-CODE (GGVSee)		Type of package B.T.N.		Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
104 /5 1789 2	**Hydrochloric acid** 25% chem. pure DAB 6 *Acide chlorhydrique / Acido clorhídrico* HCl $M = 36{,}46$ g/mol — 1 L ≈ 1,12 kg assay ..... 25% residue on ignition ..... 0,0005% arsenic (As) ..... 0,00001% iron (Fe) ..... 0,0001% heavy metals (as Pb) ..... 0,0005% sulphate (SO_4) ..... 0,0002% R: 34-37 S: 2-26 disposal: 1		FL. FL. FPF. FPF. FPF. FPF. 2806	1 L 2,5 L 30 kg 65 kg 5x 10x	10,50 17,75 kg kg kg kg	8,95 14,75 2,75 2,45 2,25 2,10	8,20 13,85	7,75 13,30
3272	**0,01 mol Hydrochloric acid** FIXANAL® 0,3646 g HCl for 1 L 0,01 N solution *0,01 mol Acide chlorhydrique / 0,01 mol Acido clorhídrico* ampoule	3819	1 pack	8,75	7,45	7,—	6,55
3289	**1/28 mol Hydrochloric acid** FIXANAL® 1,302 g HCl for 1 L 1/28 N solution *1/28 mol Acide chlorhydrique / 1/28 mol Acido clorhídrico* ampoule R: 35 S: 2-26-30 disposal: 1	3819	1 pack	16,25	13,80	13,—	12,20
3280 3/5 1789 2	**0,1 mol Hydrochloric acid** FIXANAL® 3,646 g HCl for 1 L 0,1 N solution *0,1 mol Acide chlorhydrique / 0,1 mol Acido clorhídrico* ampoule	3819	1 pack	8,75	7,45	7,—	6,55
1287 3/5 1789 2	**0,2 mol Hydrochloric acid** FIXANAL® 7,292 g HCl for 1 L 0,2 N solution *0,2 mol Acide chlorhydrique / 0,2 mol Acido clorhídrico* ampoule R: 36/38 S: 2-28 disposal: 1	3819	1 pack	10,25	8,70	8,20	7,70
1285 3/5 1789 2	**0,5 mol Hydrochloric acid** FIXANAL® 18,231 HCl for 1 L 0,5 N solution *0,5 mol Acide chlorhydrique / 0,5 mol Acido clorhídrico* bottle R: 36/38 S: 2-28 disposal: 1	3819	1 pack	10,25	8,70	8,20	7,70
1282 1/5 1789 2	**1 mol Hydrochloric acid** FIXANAL® 36,461 HCl for 1 L 1 N solution *1 mol Acide chlorhydrique / 1 mol Acido clorhídrico* ampoule R: 36/38 S: 2-28 disposal: 1	3819	1 pack	11,25	9,55	9,—	8,45
1281 1/5 1789 2	**2 mol Hydrochloric acid** FIXANAL® 72,922 g HCl = 2 equivalents *2 mol Acide chlorhydrique / 2 mol Acido clorhídrico* bottle R: 36/38 S: 2-28 disposal: 1	3819	1 pack	19,50	16,60	15,60	14,65
1283 1/5 1789 2	**10 mol Hydrochloric acid** FIXANAL® 364,61 HCl = 10 equivalents *10 mol Acide chlorhydrique / 10 mol Acido clorhídrico* bottle R: 36/38 S: 2-28 disposal: 1	3819	1 pack	43,—	36,55	34,40	32,25

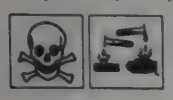
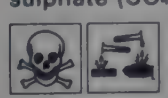
PANPEHA® universal indicator paper in strips

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	
35335	**Hydrochloric acid 0,1 mol/l** 0,1 N volumetric solution Ph. Eur. I *Acide chlorhydrique 0,1 mol/l / Acido clorhídrico 0,1 mol/l* **1 L ≈ 1,00 kg**	PF. PK. *3819*	1 L 5 L	12,50 46,75	10,65 38,80	9,75 36,45	9 35
35329	**Hydrochloric acid 0,5 mol/l** 0,5 N volumetric solution Ph. Eur. I *Acide chlorhydrique 0,5 mol/l / Acido clorhídrico 0,5 mol/l* **1 L ≈ 1,01 kg**	PF. *3819*	1 L	12,50	10,65	10,—	9
35328	**Hydrochloric acid 1 mol/l** 1 N volumetric solution Ph. Eur. I *Acide chlorhydrique 1 mol/l / Acido clorhídrico 1 mol/l* **1 L ≈ 1,02 kg**	PF. PK. *3819*	1 L 5 L	12,50 46,75	10,65 38,80	9,75 36,45	9 35
09015 A 8/5 C 8 1789 2	**Hydrochloric acid-d** (20% in D_2O) deuteration degree not less than 99,5 atom% D *Acide chlorhydrique-d / Acido clorhídrico-d* DCl *M* = 37,45 g/mol **1 L ≈ 1,20 kg** R: 36/38 S: 2-28 disposal: 1	FL. *2851*	25 ml	62,—	52,70	49,60	46
34618 C 3.2 1993 2 +23 °C	**Hydrochloric acid-alcohol** (0,75% hydrochloric acid in ethanol 60% by weight) *Acide chlorhydrique-alcool / Acido clorhídrico-alcohol* **1 L ≈ 0,90 kg** R: 11 S: 7-16 disposal: 6	FL. *3819*	250 ml	18,50	15,75	14,80	13
62683 A 3/4 +95 °C	**Hydrocinnamaldehyde** PROSYNTH® *Aldéhyde hydrocinnamique / Aldehído hidrocinámico* $C_6H_5CH_2CH_2CHO$ $C_9H_{10}O$ *M* = 134,18 g/mol **1 L ≈ 1,01 kg** assay (GC) ..... 98% boiling range (at 17 mbar) ..... 102—104 °C refractive index (n_D^{20}) 1,523	FL. *2911*	100 ml	43,25	36,75	34,60	32
62684	**Hydrocinnamic acid** PROSYNTH® *Acide hydrocinnamique / Acido hidrocinámico* $C_6H_5CH_2CH_2COOH$ $C_9H_{10}O_2$ *M* = 150,18 g/mol assay (HPLC) ..... 99% melting range ..... 47—50 °C	PF. *2914*	100 g	46,75	39,75	37,40	35
	Hydrofluoric acid 100% see Hydrogen fluoride						
01019 A 8/6C C 8 1790 1	**Hydrofluoric acid** 81—85% technical *Acide fluorhydrique / Acido fluorhídrico* HF *M* = 20,01 g/mol **1 L ≈ 1,20 kg** assay ..... 83% fluorosilicic acid (H_2SiF_6) ..... 0,3% sulphate (SO_4) ..... 0,03% R: 26/27/28-35 S: 7/9-26-36/37-45 disposal: 27	F. *2813*	210 kg	price on request			
01018	**Hydrofluoric acid** 76—80% technical *Acide fluorhydrique / Acido fluorhídrico* HF *M* = 20,01 g/mol **1 L ≈ 1,24 kg** assay ..... 78% fluorosilicic acid (H_2SiF_6) ..... 0,3% sulphate (SO_4) 0,03%	*2813*					

de-Number ID/ADR GVE/GGVS MDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
022 8/6C 8 1790 1	**Hydrofluoric acid** 71—75% technical *Acide fluorhydrique / Acido fluorhídrico* HF *M* = 20,01 g/mol **1 L ≈ 1,23 kg** assay ..... 73% fluorosilicic acid (H_2SiF_6) ..... 0,3% sulphate (SO_4) ..... 0,03% R: 26/27/28-35 S: 7/9-26-36/37-45 disposal: 27	PF. PK. STP. F. *2813*	1 L 5 L 60 kg 210 kg	16,50 61,50 price on request price on request	14,05 51,05	13,20 47,95	12,70 46,15
7870 8/6C 8 1790 1	**Hydrofluoric acid** 70% PURANAL® *Acide fluorhydrique / Acido fluorhídrico* HF *M* = 20,01 g/mol **1 L ≈ 1,23 kg** assay ..... min. 70% residue of ignition (as sulphates) ..... max. 5 ppm aluminium (Al) ..... max. 0,05 ppm antimony (Sb) ..... max. 0,01 ppm arsenic (As) ..... max. 0,05 ppm barium (Ba) ..... max. 0,1 ppm beryllium (Be) ..... max. 0,01 ppm lead (Pb) ..... max. 0,02 ppm boron (B) ..... max. 0,02 ppm cadmium (Cd) ..... max. 0,01 ppm calcium (Ca) ..... max. 0,5 ppm chromium (Cr) ..... max. 0,01 ppm iron (Fe) ..... max. 0,1 ppm gallium (Ga) ..... max. 0,02 ppm gold (Au) ..... max. 0,02 ppm indium (In) ..... max. 0,02 ppm potassium (K) ..... max. 0,1 ppm cobalt (Co) ..... max. 0,01 ppm copper (Cu) ..... max. 0,01 ppm lithium (Li) ..... max. 0,02 ppm magnesium (Mg) ..... max. 0,1 ppm manganese (Mn) ..... max. 0,01 ppm molybdenum (Mo) ..... max. 0,01 ppm sodium (Na) ..... max. 0,2 ppm nickel (Ni) ..... max. 0,01 ppm platinum (Pt) ..... max. 0,02 ppm silver (Ag) ..... max. 0,02 ppm strontium (Sr) ..... max. 0,02 ppm thallium (Tl) ..... max. 0,02 ppm titanium (Ti) ..... max. 0,1 ppm vanadium (V) ..... max. 0,01 ppm bismuth (Bi) ..... max. 0,02 ppm zinc (Zn) ..... max. 0,05 ppm tin (Sn) ..... max. 0,02 ppm zirconium (Zr) ..... max. 0,01 ppm chloride (Cl) ..... max. 5 ppm fluorosilicic acid (H_2SiF_6) ..... max. 50 ppm nitrate (NO_3) ..... max. 5 ppm phosphate (PO_4) ..... max. 0,5 ppm sulphate (SO_4) ..... max. 1 ppm sulphite (SO_3) ..... max. 2 ppm R: 26/27/28-35 S: 7/9-26-36/37-45 disposal: 27	PK. *2813*	5 L	price on request			
016 8/6D 8 1790 2	**Hydrofluoric acid** 51—55% technical *Acide fluorhydrique / Acido fluorhídrico* HF *M* = 20,01 g/mol **1 L ≈ 1,18 kg** assay ..... 53% fluorosilicic acid (H_2SiF_6) ..... 0,02% sulphate (SO_4) ..... 0,01% R: 26/27/28-35 S: 7/9-26-36/37-45 disposal: 27	PF. FPF. *2813*	1 L 60 kg	14,75 price on request	12,55	11,80	11,35
928 8/6D 8 1790 2	**Hydrofluoric acid** 50%, **MOS** PURANAL® particle class 0—2 *Acide fluorhydrique / Acido fluorhídrico* HF *M* = 20,01 g/mol **1 L ≈ 1,16 kg** analytical data on request R: 26/27/28-35 S: 7/9-26-36/37-45 disposal: 27	PK. *2813*	5 L	price on request			

PEHANAL® universal indicator paper in rolls

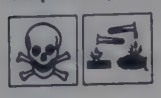
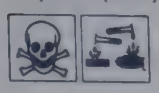
Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96 (16 Box
17912 A 8/6B C 8 1790 2	**Hydrofluoric acid** 50% PURANAL® *Acide fluorhydrique / Acido fluorhídrico* HF *M* = 20,01 g/mol **1 L ≈ 1,16 kg** assay ..... 49,5—50,5% residue on ignition (as sulphates) ..... max. 5 ppm aluminium (Al) ..... max. 0,05 ppm antimony (Sb) ..... max. 0,01 ppm arsenic (As) ..... max. 0,05 ppm barium (Ba) ..... max. 0,1 ppm beryllium (Be) ..... max. 0,01 ppm lead (Pb) ..... max. 0,02 ppm boron (B) ..... max. 0,02 ppm cadmium (Cd) ..... max. 0,01 ppm calcium (Ca) ..... max. 0,5 ppm chromium (Cr) ..... max. 0,01 ppm iron (Fe) ..... max. 0,1 ppm gallium (Ga) ..... max. 0,02 ppm gold (Au) ..... max. 0,02 ppm indium (In) ..... max. 0,02 ppm potassium (K) ..... max. 0,1 ppm cobalt (Co) ..... max. 0,01 ppm copper (Cu) ..... max. 0,01 ppm lithium (Li) ..... max. 0,02 ppm magnesium (Mg) ..... max. 0,1 ppm manganese (Mn) ..... max. 0,01 ppm molybdenum (Mo) ..... max. 0,01 ppm sodium (Na) ..... max. 0,2 ppm nickel (Ni) ..... max. 0,01 ppm platinum (Pt) ..... max. 0,02 ppm silver (Ag) ..... max. 0,02 ppm strontium (Sr) ..... max. 0,02 ppm thallium (Tl) ..... max. 0,02 ppm titanium (Ti) ..... max. 0,1 ppm vanadium (V) ..... max. 0,01 ppm bismuth (Bi) ..... max. 0,02 ppm zinc (Zn) ..... max. 0,05 ppm tin (Sn) ..... max. 0,02 ppm zirconium (Zr) ..... max. 0,01 ppm chloride (Cl) ..... max. 5 ppm fluorosilicic acid (H_2SiF_6) ..... max. 50 ppm nitrate (NO_3) ..... max. 5 ppm phosphate (PO_4) ..... max. 0,5 ppm sulphate (SO_4) ..... max. 1 ppm sulphite (SO_3) ..... max. 2 ppm  R: 26/27/28-35 S: 7/9-26-36/37-45 disposal: 27	PK. *2813*	5 L	price on request			
17887 A 8/6D C 8 1790 2	**Hydrofluoric acid** 49% PURANAL® *Acide fluorhydrique / Acido fluorhídrico* HF *M* = 20,01 g/mol **1 L ≈ 1,16 kg** analytical data on request R: 26/27/28-35 S: 7/9-26-36/37-45 disposal: 27	PF. *2813*	5 L	price on request			

de-Number RID/ADR GGVE/GGVS MDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
107 8/6D 8 1790 2	**Hydrofluoric acid** 48% R. G., Reag. ACS, Reag. ISO *Acide fluorhydrique / Acido fluorhídrico* HF *M* = 20,01 g/mol **1 L ≈ 1,16 kg** assay ..... min. 48% fluorosilicic acid (H_2SiF_6) ..... max. 0,005% residue on ignition (as sulphates) ..... max. 0,0005% arsenic (As) ..... max. 0,000005% lead (Pb) ..... max. 0,00001% cadmium (Cd) ..... max. 0,00001% iron (Fe) ..... max. 0,00005% copper (Cu) ..... max. 0,00001% nickel (Ni) ..... max. 0,00001% zinc (Zn) ..... max. 0,00001% chloride (Cl) ..... max. 0,0005% phosphate (PO_4) ..... max. 0,0001% sulphate (SO_4) ..... max. 0,0005% sulphite (SO_3) ..... max. 0,0005%  R: 26/27/28-35 S: 7/9-26-36/37-45 disposal: 27	PF. PF. PK. FPF. *2813*	500 ml 1 L 5 L 60 kg	15,75 26,— 96,— kg	13,40 22,10 79,70 12,—	12,60 20,80 74,90	12,15 20,— 72,—
7868 8/6D 8 1790 2	**Hydrofluoric acid** 48%, PURANAL® *Acide fluorhydrique / Acido fluorhídrico* HF *M* = 20,01 g/mol **1 L ≈ 1,16 kg** assay ..... min. 48% residue of ignition (as sulphates) ..... max. 5 ppm aluminium (Al) ..... max. 0,05 ppm antimony (Sb) ..... max. 0,01 ppm arsenic (As) ..... max. 0,05 ppm barium (Ba) ..... max. 0,1 ppm beryllium (Be) ..... max. 0,01 ppm lead (Pb) ..... max. 0,02 ppm boron (B) ..... max. 0,02 ppm cadmium (Cd) ..... max. 0,01 ppm calcium (Ca) ..... max. 0,5 ppm chromium (Cr) ..... max. 0,01 ppm iron (Fe) ..... max. 0,1 ppm gallium (Ga) ..... max. 0,02 ppm gold (Au) ..... max. 0,02 ppm indium (In) ..... max. 0,02 ppm potassium (K) ..... max. 0,1 ppm cobalt (Co) ..... max. 0,01 ppm copper (Cu) ..... max. 0,01 ppm lithium (Li) ..... max. 0,02 ppm magnesium (Mg) ..... max. 0,1 ppm manganese (Mn) ..... max. 0,01 ppm molybdenum (Mo) ..... max. 0,01 ppm sodium (Na) ..... max. 0,2 ppm nickel (Ni) ..... max. 0,01 ppm platinum (Pt) ..... max. 0,02 ppm silver (Ag) ..... max. 0,02 ppm strontium (Sr) ..... max. 0,02 ppm thallium (Tl) ..... max. 0,02 ppm titanium (Ti) ..... max. 0,1 ppm vanadium (V) ..... max. 0,01 ppm bismuth (Bi) ..... max. 0,02 ppm zinc (Zn) ..... max. 0,05 ppm tin (Sn) ..... max. 0,02 ppm zirconium (Zr) ..... max. 0,01 ppm chloride (Cl) ..... max. 5 ppm fluorosilicic acid (H_2SiF_6) ..... max. 50 ppm nitrate (NO_3) ..... max. 5 ppm phosphate (PO_4) ..... max. 0,5 ppm sulphate (SO_4) ..... max. 1 ppm sulphite (SO_3) ..... max. 2 ppm R: 26/27/28-35 S: 7/9-26-36/37-45 disposal: 27	PK. FPF. F. *2813*	5 L 60 kg 215 kg	price on request price on request			
1012 8/6D 8 1790 2	**Hydrofluoric acid** 40—45% technical *Acide fluorhydrique / Acido fluorhídrico* HF *M* = 20,01 g/mol **1 L ≈ 1,14 kg** assay ..... 41% fluorosilicic acid (H_2SiF_6) ..... 0,02% sulphate (SO_4) ..... 0,01%  R: 26/27/28-35 S: 7/9-26-36/37-45 disposal: 27	PF. PK. FPF. *2813*	1 L 5 L 60 kg	14,25 53,— price on request	12,10 44,—	11,40 41,35	10,95 39,75

Code-Number
A) RID/ADR
B) GGVE/GGVS
C) IMDG-CODE (GGVSee)

Type of package *B.T.N.*

Price per package DM

			1x	6x (1 Box)	24x (4 Boxes)	9 (16 B
30103	**Hydrofluoric acid** 40% R. G., Reag. ISO, Reag. Ph. Eur. I	PF.	500 ml	13,25	11,25	10,60	10
A 8/6D	*Acide fluorhydrique / Acido fluorhídrico*	PF.	1 L	21,50	18,30	17,20	16
C 8 1790 2	HF M = 20,01 g/mol 1 L ≈ 1,14 kg	PK.	5 L	86,50	71,80	67,45	64
		FPF.	60 kg	kg	9,30		
	assay ..... min. 40%	*2813*					
	fluorosilicic acid (H_2SiF_6) ..... max. 0,005%						
	residue on ignition (as sulphates) ..... max. 0,0005%						
	arsenic (As) ..... max. 0,000005%						
	lead (Pb) ..... max. 0,00001%						
	cadmium (Cd) ..... max. 0,00001%						
	iron (Fe) ..... max. 0,00005%						
	copper (Cu) ..... max. 0,00001%						
	nickel (Ni) ..... max. 0,00001%						
	zinc (Zn) ..... max. 0,00001%						
	chloride (Cl) ..... max. 0,0005%						
	phosphate (PO_4) ..... max. 0,0001%						
	sulphate (SO_4) ..... max. 0,0005%						
	sulphite (SO_3) ..... max. 0,0005%						
	 R: 26/27/28-35 S: 7/9-26-36/37-45 disposal: 27						
17867	**Hydrofluoric acid** 40%, PURANAL®	PK.	5 L	price on request			
A 8/6D	*Acide fluorhydrique / Acido fluorhídrico*	FPF.	60 kg	price on request			
C 8 1790 2	HF M = 20,01 g/mol 1 L ≈ 1,14 kg	F.	215 kg	price on request			
		2813					
	assay ..... min. 40%						
	residue of ignition (as sulphates) ..... max. 5 ppm						
	aluminium (Al) ..... max. 0,05 ppm						
	antimony (Sb) ..... max. 0,01 ppm						
	arsenic (As) ..... max. 0,05 ppm						
	barium (Ba) ..... max. 0,1 ppm						
	beryllium (Be) ..... max. 0,01 ppm						
	lead (Pb) ..... max. 0,02 ppm						
	boron (B) ..... max. 0,02 ppm						
	cadmium (Cd) ..... max. 0,01 ppm						
	calcium (Ca) ..... max. 0,5 ppm						
	chromium (Cr) ..... max. 0,01 ppm						
	iron (Fe) ..... max. 0,1 ppm						
	gallium (Ga) ..... max. 0,02 ppm						
	gold (Au) ..... max. 0,02 ppm						
	indium (In) ..... max. 0,02 ppm						
	potassium (K) ..... max. 0,1 ppm						
	cobalt (Co) ..... max. 0,01 ppm						
	copper (Cu) ..... max. 0,01 ppm						
	lithium (Li) ..... max. 0,02 ppm						
	magnesium (Mg) ..... max. 0,1 ppm						
	manganese (Mn) ..... max. 0,01 ppm						
	molybdenum (Mo) ..... max. 0,01 ppm						
	sodium (Na) ..... max. 0,2 ppm						
	nickel (Ni) ..... max. 0,01 ppm						
	platinum (Pt) ..... max. 0,02 ppm						
	silver (Ag) ..... max. 0,02 ppm						
	strontium (Sr) ..... max. 0,02 ppm						
	thallium (Tl) ..... max. 0,02 ppm						
	titanium (Ti) ..... max. 0,1 ppm						
	vanadium (V) ..... max. 0,01 ppm						
	bismuth (Bi) ..... max. 0,02 ppm						
	zinc (Zn) ..... max. 0,05 ppm						
	tin (Sn) ..... max. 0,02 ppm						
	zirconium (Zr) ..... max. 0,01 ppm						
	chloride (Cl) ..... max. 5 ppm						
	fluorosilicic acid (H_2SiF_6) ..... max. 50 ppm						
	nitrate (NO_3) ..... max. 5 ppm						
	phosphate (PO_4) ..... max. 0,5 ppm						
	sulphate (SO_4) ..... max. 1 ppm						
	sulphite (SO_3) ..... max. 2 ppm						
	 R: 26/27/28-35 S: 7/9-26-36/37-45 disposal: 27						

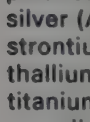
refer explanations

e-Number /ADR VE/GGVS DG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
11 6D 790 2	**Hydrofluoric acid** 40% chem. pure *Acide fluorhydrique / Acido fluorhídrico* HF M = 20,01 g/mol **1 L ≈ 1,14 kg** assay 40% fluorosilicic acid (H_2SiF_6) 0,02% arsenic (As) 0,00001% iron (Fe) 0,0001% heavy metals (as Pb) 0,0001% chloride (Cl) 0,0005% sulphate (SO_4) 0,0005% sulphite (SO_3) 0,0005% R: 26/27/28-35 S: 7/9-26-36/37-45 disposal: 27	PF. PK. FPF. *2813*	1 L 5 L 60 kg	19,— 73,—	16,15 60,60 price on request	15,20 56,95	14,65 54,75
39 6D 1790 2	**Hydrofluoric acid** 40% pure *Acide fluorhydrique / Acido fluorhídrico* HF M = 20,01 g/mol **1 L ≈ 1,14 kg** assay 40% fluorosilicic acid (H_2SiF_6) 0,03% iron (Fe) 0,0005% heavy metals (as Pb) 0,0005% sulphate (SO_4) 0,01% sulphite (SO_3) 0,015% R: 26/27/28-35 S: 7/9-26-36/37-45 disposal: 27	PF. FPF. *2813*	1 L 60 kg	16,25	13,80 price on request	13,—	12,50
956 /6D 1760 2	**Hydrofluoric acid/nitric acid/phosphoric acid-etching mixture** PURANAL® *Acide fluorhydrique/acide nitrique/acide phosphorique-mélange d'attaque / Acido fluorhídrico/acido nítrico/acido fosfórico-mezcla cáustica* R: 26/27/28-35 S: 7/9-26-36/37-45 disposal: 27	PK. *3813*	5 L	price on request			
	Hydrofluoroboric acid see Fluoroboric acid						
	Hydrofluorosilicic acid see Fluorosilicic acid						
	Hydrofurfuramide see Furfuramide						
201 /5 1760 2	**Hydrogen bromide** min. 33% in acetic acid glacial *Hydrogène bromure / Hidrógeno bromuro* HBr M = 80,91 g/mol **1 L ≈ 1,42 kg** R: 34-37 S: 7/9-26 disposal: 1	FL. *3819*	500 ml	42,25	35,90	33,80	32,55
006	**Hydrogen fluoride** (Hydrofluoric acid 100%) *Hydrogène fluorure / Hidrógeno fluoruro* HF M = 20,01 g/mol **1 L ≈ 1,00 kg**	KWG. *3819*	15 t	price on request			
472 /6A 1790 1	**Hydrogen fluoride** 70% solution in pyridine PROSYNTH® *Hydrogène fluorure / Hidrógeno fluoruro* HF M = 20,01 g/mol **1 L ≈ 1,14 kg** R: 11-26/27/28 S: 7/9-29-45 disposal: 27	PF. *2813*	100 ml	72,—	61,20	57,60	54,—

PINA® photo dyes and photo chemicals

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	9 (16 B
61473 A 8/6B C 3.2 1993 2 - 5 °C	**Hydrogen fluoride** 37 % solution in triethylamine PROSYNTH® *Hydrogène fluorure / Hidrógeno fluoruro* HF *M* = 20,01 g/mol assay ..... 37 % R: 11-26/27/28 S: 7/9-29-45 disposal: 27	PF. *2813*	100 ml	72,–	61,20	57,60	54
17937 A 8/41B C 5.1 2014 2	**Hydrogen peroxide MOS** PURANAL® 30 % by weight H_2O_2, particle class 0–2 *Hydrogène peroxyde / Hidrógeno peróxido* H_2O_2 *M* = 34,01 g/mol **1 L ≈ 1,13 kg** assay ..... min. 30 % non-volatile matter ..... max. 50 ppm free acid (as H_2SO_4) ..... max. 40 ppm aluminium (Al) ..... max. 0,5 ppm antimony (Sb) ..... max. 0,01 ppm arsenic (As) ..... max. 0,01 ppm barium (Ba) ..... max. 0,1 ppm beryllium (Be) ..... max. 0,01 ppm lead (Pb) ..... max. 0,02 ppm boron (B) ..... max. 0,01 ppm cadmium (Cd) ..... max. 0,2 ppm calcium (Ca) ..... max. 0,01 ppm chromium (Cr) ..... max. 0,1 ppm iron (Fe) ..... max. 0,02 ppm gallium (Ga) ..... max. 0,02 ppm gold (Au) ..... max. 0,02 ppm indium (In) ..... max. 0,1 ppm potassium (K) ..... max. 0,01 ppm cobalt (Co) ..... max. 0,01 ppm copper (Cu) ..... max. 0,02 ppm lithium (Li) ..... max. 0,1 ppm magnesium (Mg) ..... max. 0,01 ppm manganese (Mn) ..... max. 0,01 ppm molybdenum (Mo) ..... max. 0,2 ppm sodium (Na) ..... max. 0,01 ppm nickel (Ni) ..... max. 0,02 ppm platinum (Pt) ..... max. 0,02 ppm silver (Ag) ..... max. 0,02 ppm strontium (Sr) ..... max. 0,02 ppm thallium (Tl) ..... max. 0,01 ppm titanium (Ti) ..... max. 0,01 ppm vanadium (V) ..... max. 0,02 ppm bismuth (Bi) ..... max. 0,05 ppm zinc (Zn) ..... max. 0,02 ppm tin (Sn) ..... max. 0,01 ppm zirconium (Zr) ..... max. 0,5 ppm chloride (Cl) ..... max. 1 ppm phosphate (PO_4) ..... max. 2 ppm sulphate (SO_4) ..... max. 3 ppm total nitrogen (N) ..... R: 34 S: 28-39 disposal: 8	PF. *2854*	1 L	price on request			

refer explanations

de-Number ID/ADR GVE/GGVS MDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
948 41B 1 2014 2	**Hydrogen peroxide** PURANAL® 30% by weight H_2O_2 *Hydrogène peroxyde / Hidrógeno peróxido* H_2O_2 *M* = 34,01 g/mol **1 L ≈ 1,11 kg** assay ..... min. 30% non-volatile matter ..... max. 50 ppm free acid (as H_2SO_4) ..... max. 40 ppm aluminium (Al) ..... max. 0,5 ppm antimony (Sb) ..... max. 0,01 ppm arsenic (As) ..... max. 0,01 ppm barium (Ba) ..... max. 0,1 ppm beryllium (Be) ..... max. 0,01 ppm lead (Pb) ..... max. 0,02 ppm boron (B) ..... max. 0,02 ppm cadmium (Cd) ..... max. 0,01 ppm calcium (Ca) ..... max. 0,2 ppm chromium (Cr) ..... max. 0,01 ppm iron (Fe) ..... max. 0,1 ppm gallium (Ga) ..... max. 0,02 ppm gold (Au) ..... max. 0,02 ppm indium (In) ..... max. 0,02 ppm potassium (K) ..... max. 0,1 ppm cobalt (Co) ..... max. 0,01 ppm copper (Cu) ..... max. 0,01 ppm lithium (Li) ..... max. 0,02 ppm magnesium (Mg) ..... max. 0,1 ppm manganese (Mn) ..... max. 0,01 ppm molybdenum (Mo) ..... max. 0,01 ppm sodium (Na) ..... max. 0,2 ppm nickel (Ni) ..... max. 0,01 ppm platinum (Pt) ..... max. 0,02 ppm silver (Ag) ..... max. 0,02 ppm strontium (Sr) ..... max. 0,02 ppm thallium (Tl) ..... max. 0,02 ppm titanium (Ti) ..... max. 0,01 ppm vanadium (V) ..... max. 0,01 ppm bismuth (Bi) ..... max. 0,02 ppm zinc (Zn) ..... max. 0,05 ppm tin (Sn) ..... max. 0,02 ppm zirconium (Zr) ..... max. 0,01 ppm chloride (Cl) ..... max. 0,5 ppm phosphate (PO_4) ..... max. 1 ppm sulphate (SO_4) ..... max. 2 ppm total nitrogen (N) ..... max. 3 ppm  R: 34 S: 28-39 disposal: 8	PF. *2854*	1 L	price on request			
304 3/41B 5.1 2014 2	**Hydrogen peroxide** chem. pure 35% by weight H_2O_2 *Hydrogène peroxyde / Hidrógeno peróxido* H_2O_2 *M* = 34,01 g/mol **1 L ≈ 1,13 kg** assay ..... 35% non-volatile matter ..... 0,3% residue on ignition ..... 0,005% heavy metals (as Pb) ..... 0,0002% R: 34 S: 28-39 disposal: 8	PF. PK. FPF. *2854*	1 L 5 L 60 kg	13,25 49,25 kg	11,25 40,90 2,95	10,60 38,40	10,20 36,95
	Hydrogen peroxide R. G. see PERDROGEN®						
5616	**Hydroquinone** chem. pure Erg. B. 6 *Hydroquinone / Hidroquinona* $C_6H_4(OH)_2$[1,4] $C_6H_6O_2$ *M* = 110,11 g/mol assay ..... 99,5% melting range ..... 171–173 °C sulphated ash ..... 0,1% heavy metals (as Pb) ..... 0,01% chloride (Cl) ..... 0,05% sulphate (SO_4) ..... 0,03% R: 20/22 S: 2-24/25-39 disposal: 6	PF. PF. PF. S. *2906*	250 g 1 kg 2,5 kg 25 kg	13,50 38,75 85,50 price on request	11,50 32,95 70,95	10,80 31,— 66,70	10,15 29,85 64,15

POLYPEHA® universal and special indicator papers in strips

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96 (16 Bo
60182	**Hydroquinone dimethyl ether** PROSYNTH® *Ether diméthylique de l'hydroquinone / Eter dimetílico de hidroquinona* $C_6H_4(OCH_3)_2$ $C_8H_{10}O_2$ $M = 138{,}17$ g/mol assay (GC) ..... 99% melting range ..... 54–56 °C	PF. *2908*	500 g	62,–	52,70	49,60	47,
60184	**Hydroquinone monobenzyl ether** PROSYNTH® *Ether monobenzylique de l'hydroquinone / Eter monobencílico de hidroquinona* $C_6H_4(OH)OCH_2C_6H_5$ $C_{13}H_{12}O_2$ $M = 200{,}24$ g/mol assay (GC) ..... 98% melting range ..... 118–119 °C	WG. *2908*	250 g	300,–	255,–	240,–	225,
60185	**Hydroquinone monomethyl ether** PROSYNTH® *Ether monométhylique de l'hydroquinone / Eter monometílico de hidroquinona* $C_6H_4(OH)OCH_3$ $C_7H_8O_2$ $M = 124{,}14$ g/mol assay (GC) ..... 99% melting range ..... 53–55 °C	WG. *2908*	500 g	66,50	56,55	53,20	51,
	Hydroxyacetaldehyde see Glycolaldehyde						
65148 A 3/4 C 3.3 1993 2 +56 °C	**2-Hydroxyacetaldehyde diethylacetal** PROSYNTH® *2-Hydroxyacétaldéhyde diéthylacétal / 2-Hidroxiacetaldehido dietilacetal* $HOCH_2CH(OCH_2CH_3)_2$ $C_6H_{14}O_3$ $M = 134{,}17$ g/mol **1 L ≈ 0,98 kg** assay (GC) ..... 95% boiling range (at 13 mbar) ..... 66–69 °C refractive index (n_D^{25}) 1,414	FL. *2910*	100 ml	131,–	111,35	104,80	98,
	Hydroxyacetic acid see Glycollic acid						
65022	**Hydroxyacetone** 50% in water PROSYNTH® *Hydroxyacétone / Hidroxiacetóna* CH_3COCH_2OH $C_3H_6O_2$ $M = 74{,}08$ g/mol **1 L ≈ 1,07 kg**	FL. *2913*	100 ml	63,50	54,–	50,80	47,
62660	**2-Hydroxyacetophenone** PROSYNTH® *2-Hydroxyacétophénone / 2-Hidroxiacetofenona* $HOC_6H_4COCH_3$ $C_8H_8O_2$ $M = 136{,}15$ g/mol **1 L ≈ 1,13 kg** assay (GC) ..... 97% boiling range (at 16 mbar) ..... 90–93 °C refractive index (n_D^{20}) 1,558	FL. *2913*	100 ml	19,50	16,60	15,60	14,
62661	**4-Hydroxyacetophenone** PROSYNTH® *4-Hydroxyacétophénone / 4-Hidroxiacetofenona* $HOC_6H_4COCH_3$ $C_8H_8O_2$ $M = 136{,}15$ g/mol assay (GC) ..... 98% melting range ..... 108–110 °C	PF. *2913*	100 g	21,50	18,30	17,20	16,
	2-Hydroxy-1-acetylbenzene see 2-Hydroxyacetophenone						
	4-Hydroxy-1-acetylbenzene see 4-Hydroxyacetophenone						
	4-Hydroxyanilinium chloride see 4-Aminophenol hydrochloride						
64625	**4-Hydroxyazobenzene** PROSYNTH® *Hydroxy-4-azobenzène / 4-Hidroxiazobenceno* $C_6H_5N=NC_6H_4OH$ $C_{12}H_{10}N_2O$ $M = 198{,}22$ g/mol assay (ex N) ..... 97% melting range ..... 151–154 °C	WG. *2928*	25 g	25,–	21,25	20,–	18,

refer explanations

e-Number D/ADR GVE/GGVS DG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
91	**5-Hydroxybarbituric monohydrate** PROSYNTH® *Acide 5-hydroxybarbiturique monohydraté / Acido 5-hidroxibarbitúrico monohidrato* NHCONHCOCHOHCO · H_2O $C_4H_4N_2O_4 \cdot H_2O$ *M* = 162,10 g/mol assay (alkalimetric) 95%	WG. *2935*	5 g	59,50	50,60	47,60	44,65
	2-Hydroxybenzaldehyde see Salicylaldehyde						
26	**3-Hydroxybenzaldehyde** PROSYNTH® *3-Hydroxybenzaldéhyde / 3-Hidroxibenzaldehído* HOC_6H_4CHO $C_7H_6O_2$ *M* = 122,12 g/mol assay ..... 98% melting range ..... 102–104 °C	PF. *2911*	100 g	44,75	38,05	35,80	33,55
665	**4-Hydroxybenzaldehyde** PROSYNTH® *Hydroxy-4-benzaldéhyde / 4-Hidroxibenzaldehído* HOC_6H_4CHO $C_7H_6O_2$ *M* = 122,12 g/mol assay ..... 98% melting range ..... 114–116 °C	PF. *2911*	250 g	58,50	49,75	46,80	43,90
	Hydroxybenzene see Phenol						
518	**2-(4'-Hydroxybenzeneazo)benzoic acid** PROSYNTH® *Acide 2-(4'-hydroxybenzèneazo)benzoïque / Acido 2-(4'-hidroxibencenoazo)benzóico* $HOC_6H_4N=NC_6H_4COOH$ $C_{13}H_{10}N_2O_3$ *M* = 242,24 g/mol assay (alkalimetric) ..... 98% melting range ..... 200–203 °C	WG. *2928*	10 g	69,–	58,65	55,20	51,75
124	**4-Hydroxybenzenesulphonic acid sodium salt dihydrate** PROSYNTH® *Acide hydroxy-4-benzènesulfonique sel sodique dihydrate / Acido 4-hidroxibencenosulfónico sal sódica dihidrato* $C_6H_4(OH)SO_3Na \cdot 2H_2O$ $C_6H_5NaO_4S \cdot 2H_2O$ *M* = 232,19 g/mol assay (ex N) 99%	WG. *2907*	250 g	22,–	18,70	17,60	16,50
733	**4-Hydroxybenzoic acid** *Acide hydroxy-4-benzoïque / Acido 4-hidroxibenzóico* HOC_6H_4COOH $C_7H_6O_3$ *M* = 138,12 g/mol assay ..... 99% melting range ..... 214–216 °C sulphated ash 0,05%	PF. *2916*	500 g	32,75	27,85	26,20	25,20
025 *1/21* *1 2811 2*	**4-Hydroxybenzonitrile** PROSYNTH® *4-Hydroxybenzonitrile / 4-Hidroxibenzonitrilo* HOC_6H_4CN C_7H_5NO *M* = 119,12 g/mol assay (HPLC) ..... 97% melting range ..... 110–112 °C R: 23/24/25 S: 44 disposal: 15	FL. FL. *2927*	† 5 g 100 g	8,50 58,–	7,25 49,30	46,40	43,50
669	**4-Hydroxybenzophenone** PROSYNTH® *4-Hydroxybenzophénone / 4-Hidroxibenzofenona* $HOC_6H_4COC_6H_5$ $C_{13}H_{10}O_2$ *M* = 198,22 g/mol assay (HPLC) ..... 99% melting range ..... 132–134 °C R: 23/24/25 S: 44 disposal: 6	PF. *2913*	100 g	72,–	61,20	57,60	54,–

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	9 (16
39260	**1-Hydroxybenzotriazole** BIOSYNTH® *1-Hydroxybenzotriazole / 1-Hidroxibenzotriazol* $C_6H_4N(OH)N=N$ $C_6H_5N_3O$ M = 135,13 g/mol	WG. *2935*	10 g	30,75	26,15	24,60	23
61471	**2-Hydroxybenzotrifluoride** PROSYNTH® *2-Hydroxybenzotrifluorure / 2-Hidroxibenzotrifluoruro* $HOC_6H_4CF_3$ $C_7H_5F_3O$ M = 162,11 g/mol	*2935*					
61362 A 6.1/23 C 6.1 2810 2	**3-Hydroxybenzotrifluoride** PROSYNTH® *3-Hydroxybenzotrifluorure / 3-Hidroxibenzotrifluoruro* $HOC_6H_4CF_3$ $C_7H_5F_3O$ M = 162,11 g/mol **1 L ≈ 1,35 kg** assay (GC) ..... 98 % boiling range ..... 177–179 °C refractive index 1,458	FL. *2902*	100 ml	189,–	160,65	151,20	141
62670	**2-Hydroxybenzyl alcohol** PROSYNTH® *Alcool hydroxy-2-benzylique / Alcohol 2-hidroxibencílico* $HOC_6H_4CH_2OH$ $C_7H_8O_2$ M = 124,14 g/mol assay ..... 99 % melting range ..... 84–86 °C	PF. *2906*	100 g	51,50	43,80	41,20	38
64629	**4-Hydroxybenzyl alcohol** PROSYNTH® *Alcool hydroxy-4-benzylique / Alcohol 4-hidroxibencílico* $HOC_6H_4CH_2OH$ $C_7H_8O_2$ M = 124,14 g/mol assay ..... 97 % melting range ..... 113–115 °C	WG. *2906*	25 g	77,50	65,90	62,–	58
	α-Hydroxybenzyl phenyl ketone see Benzoin						
35798	**2-Hydroxybiphenyl** min. 99% PESTANAL® *Hydroxy-2-biphenyle / 2-Hidroxibifenilo* $C_6H_5C_6H_4OH$ $C_{12}H_{10}O$ M = 170,21 g/mol	FL. *2906*	1 g	19,50	16,60	15,60	14
65191 160 °C	**4-Hydroxybiphenyl** PROSYNTH® *Hydroxy-4-biphényle / 4-Hidroxibifenilo* $C_6H_5C_6H_4OH$ $C_{12}H_{10}O$ M = 170,21 g/mol assay (GC) ..... 98 % melting range ..... 162–165 °C	PF. *2906*	1 kg	price on request			
	Hydroxybutanedioic acid see Malic acid						
62671	**3-Hydroxybutanone-(2)** (dimer) PROSYNTH® *3-Hydroxybutanone-(2) / 3-Hidroxibutanona-(2)* $[CH_3COCH(OH)CH_3]_2$ $(C_4H_8O_2)_2$ M = 176,21 g/mol Schmelzbereich ..... 100–103 °C assay (GC) ..... 98 % melting range ..... 100–103 °C	PF. *2913*	100 g	30,75	26,15	24,60	23
	2-Hydroxy-1-*tert.*-butylbenzene see 2-*tert.*-Butylphenol						
	4-Hydroxy-1-*tert.*-butylcyclohexane see 4-*tert.*-Butylcyclohexanol						
63527	**2-Hydroxy-*iso*-butyric acid** PROSYNTH® *Acide 2-hydroxy-iso-butyrique / Acido 2-hidroxi-iso-butírico* $(CH_3)_2C(OH)COOH$ $C_4H_8O_3$ M = 104,11 g/mol assay (alkalimetric) ..... 99 % melting range ..... 77–79 °C	WG. *2916*	25 g	19,25	16,35	15,40	14

refer explanations

-Number /ADR /E/GGVS G-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
19	**DL-2-Hydroxybutyric acid** PROSYNTH® *Acide DL-2-hydroxybutyrique / Acido DL-2-hidroxibutírico* $CH_3CH_2CH(OH)COOH$ $C_4H_8O_3$ $M = 104{,}11$ g/mol assay (titration) 95%		FL. *2916*	5 g	48,—	40,80	38,40	36,—
26	**4-Hydroxybutyric acid sodium salt** PROSYNTH® *Acide 4-hydroxybutyrique sel sodique / Acido 4-hidroxibutírico sal sódica* $HO(CH_2)_3COONa$ $C_4H_7NaO_3$ $M = 126{,}09$ g/mol assay ..... 98% melting range ..... 144—146 °C		WG. *2916*	25 g	45,25	38,45	36,20	33,95
06	***trans*-2-Hydroxycinnamic acid** PROSYNTH® *Acide trans-2-hydroxycinnamique / Acido trans-2-hidroxicinámico* $HOC_6H_4CH=CHCOOH$ $C_9H_8O_3$ $M = 164{,}16$ g/mol assay (alkalimetric) ..... 97% melting range ..... 215—217 °C (disint.)		WG. *2916*	5 g	17,25	14,65	13,80	12,95
81	***trans*-3-Hydroxycinnamic acid** PROSYNTH® *Acide trans-3-hydroxycinnamique / Acido trans-3-hidroxicinámico* $HOC_6H_4CH=CHCOOH$ $C_9H_8O_3$ $M = 164{,}16$ g/mol assay (alkalimetric) ..... 98% melting range ..... 193—195 °C		WG. *2914*	10 g	35,—	29,75	28,—	26,25
82	***trans*-4-Hydroxycinnamic acid** PROSYNTH® *Acide trans-4-hydroxycinnamique / Acido trans-4-hidroxicinámico* $HOC_6H_4CH=CHCOOH$ $C_9H_8O_3$ $M = 164{,}16$ g/mol assay (alkalimetric) ..... 98% melting range ..... 213—215 °C (disint.)		WG. *2916*	10 g	32,25	27,40	25,80	24,20
72	**4-Hydroxycoumarin** PROSYNTH® *4-Hydroxycoumarine / 4-Hidroxicumarina* $C_6H_4OCOCH=COH$ $C_9H_6O_3$ $M = 162{,}14$ g/mol assay (HPLC) ..... 99% melting range ..... 210—212 °C R: 23/24/25 S: 1-13-45 disposal: 10		PF. *2935*	100 g	42,—	35,70	33,60	31,50

α-Hydroxycumene see 2-Phenylpropanol-(2)

Hydroxycycloheptane see Cycloheptanol

Hydroxycyclooctane see Cyclooctanol

Hydroxycyclopentane see Cyclopentanol

4-Hydroxy-1,3-di-*sec.*-butylbenzene see 2,4-Di-*sec.*-butylphenol

2-Hydroxy-1,3-diisopropylbenzene see 2,6-Di-*iso*-propylphenol

2-Hydroxy-1,3-dimethoxybenzene see 2,6-Dimethoxyphenol

4-Hydroxy-2,5-dimethoxy-α-oxotoluene see Syringaldehyde

2-Hydroxy-1,4-dioxo-1,4-dihydronaphthalene see 2-Hydroxynaphthoquinone-(1,4)

1-Hydroxy-1,1-diphenylethane see 1,1-Diphenylethanol

Hydroxydiphenylmethane see Benzhydrol

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	9 (16 B
	2-(2-Hydroxy-3,6-disulphonic-1-naphthaleneazo)-phenylarso nic acid disodium salt see Thorin						
	1-Hydroxy-2-ethoxybenzene see Guaethol						
63719 A 6.1/21P C 6.1 2810 2	**N-(2-Hydroxyethyl)aniline** PROSYNTH® *N-(2-Hydroxyéthyl)aniline / N-(2-Hidroxietil)anilina* $C_6H_5NHCH_2CH_2OH$ $C_8H_{11}NO$ $M = 137{,}18$ g/mol **1 L ≈ 1,09 kg** assay (GC) ..... 98 % boiling range ..... 283—285 °C refractive index (n_D^{20}) 1,579	FL. *2923*	1 L	42,75	36,35	34,20	32
64624	**Hydroxyethylcellulose** PROSYNTH® *Hydroxyéthylcellulose / Hidroxietilcelulosa*	PF. *3903*	500 g	36,75	31,25	29,40	28
63521	**N-(2-Hydroxyethyl)cyclohexylamine** PROSYNTH® *N-(2-Hydroxyéthyl)cyclohexylamine /* *N-(2-Hidroxietil)ciclohexilamina* $CH_2(CH_2)_4CHNHCH_2CH_2OH$ $C_8H_{17}NO$ $M = 143{,}23$ g/mol assay (ex N) ..... 98 % melting range ..... 33—35 °C	FL. *2922*	250 ml	75,50	64,20	60,40	56
	(2-Hydroxyethyl)dibutylamine see 2-Dibutylaminoethanol						
65024 A 8/35 C 8 1719 2	**2-Hydroxyethylhydrazine** PROSYNTH® *2-Hydroxyéthylhydrazine / 2-Hidroxietilhidracina* $HOCH_2CH_2NHNH_2$ $C_2H_8N_2O$ $M = 76{,}10$ g/mol **1 L ≈ 1,12 kg** assay ..... 97 % boiling range (at 1005 mbar) ..... 218—220 °C refractive index (n_D^{20}) ..... 1,493 R: 23/24/25 S: 44 disposal: 20	FL. *2929*	100 ml	49,75	42,30	39,80	37
62846 A 3/4 +99 °C	**N-(2-Hydroxyethyl)-morpholine** PROSYNTH® *N-(2-Hydroxyéthyle)-morpholine / N-(2-Hydroxietilo)-morfolina* $CH_2CH_2OCH_2CH_2NCH_2CH_2OH$ $C_6H_{13}NO_2$ $M = 131{,}18$ g/mol **1 L ≈ 1,07 kg** assay (GC) ..... 98 % boiling range ..... 225—227 °C refractive index (n_D^{20}) 1,476	FL. *2935*	100 ml	14,—	11,90	11,20	10
63522	**N-(2-Hydroxyethyl)piperazine** PROSYNTH® *N-(2-Hydroxyéthyl)pipérazine / N-(2-Hidroxietil)piperacina* $CH_2CH_2NHCH_2CH_2NCH_2CH_2OH$ $C_6H_{14}N_2O$ $M = 130{,}19$ g/mol **1 L ≈ 1,06 kg** assay (GC) ..... 98 % boiling range ..... 244—246 °C refractive index (n_D^{20}) 1,506	FL. *2935*	50 ml	27,75	23,60	22,20	20
63523	**2-(2-Hydroxyethyl)pyridine** PROSYNTH® *2-(2-Hydroxyéthyl)pyridine / 2-(2-Hidroxietil)piridina* $N=CHCH=CHCH=CCH_2CH_2OH$ C_7H_9NO $M = 123{,}11$ g/mol **1 L ≈ 1,09 kg** assay (GC) ..... 98 % boiling range (at 20 mbar) ..... 118—121 °C refractive index (n_D^{20}) 1,537	FL. *2935*	100 ml	21,50	18,30	17,20	16
	2-Hydroxyethyltrimethylammonium chloride see Choline chloride						
	4-Hydroxy-1-formylbenzene see 4-Hydroxybenzaldehyde						
	2-Hydroxy-1-formylnaphthalene see 2-Hydroxynaphthalenealdehyde-(1)						

-Number /ADR /E/GGVS G-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
17	**2-Hydroxyhexadecanoic acid** PROSYNTH® *Acide 2-hydroxyhexadécanoïque / Acido 2-hidroxihexadecanóico* $CH_3(CH_2)_{13}CH(OH)COOH$ $C_{16}H_{32}O_3$ $M = 272{,}43$ g/mol assay (alkalimetric) ..... 98% melting range ..... 84–86 °C	WG. 2916	5 g	87,50	74,40	70,—	65,65
	2-Hydroxy-1-hydroxymethylbenzene see 2-Hydroxybenzyl alcohol						
	5-Hydroxy-2-hydroxymethyl-4-pyrone see Kojic acid						
	2-Hydroxy-1-(1'-hydroxy-2'-naphthylazo)-6-nitronaphthalenesulphonic acid-(4)-sodium salt see Eriochrome black T						
	2-Hydroxy-1-(2-hydroxy-4-sulpho-1-naphthylazo)-3-naphtheic acid see Calcon carboxylic acid						
	5-Hydroxyindane see 5-Indanol						
25	**5-Hydroxyindole** PROSYNTH® *5-Hydroxyindole / 5-Hidroxiindol* $HOC_6H_3NHCH=CH$ C_8H_7NO $M = 133{,}15$ g/mol assay (ex N) ..... 99% melting range ..... 105–107 °C	FL. 2935	1 g	112,50	95,65	90,—	84,40
26	**5-Hydroxyindol-3-yl acetic acid** PROSYNTH® *Acide hydroxy-5-indole-3-acétique / Acido 5-hidroxi-3-indolil acético* $HOC_6H_3NHCH=CCH_2COOH$ $C_{10}H_9NO_3$ $M = 191{,}19$ g/mol assay (alkalimetric) ..... 98% melting range ..... 161–163 °C (disint.)	FL. 2935	1 g	150,—	127,50	120,—	112,50
	Hydroxylamine salts see Hydroxylammonium salts						
36	**Hydroxylammonium chloride** R. G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I *Hydroxylammonium chlorure / Hydroxylammonium chlorure / Hidroxilamonio cloruro* $[NH_3OH]Cl$ H_4ClNO $M = 69{,}49$ g/mol assay ..... min. 99% residue on igniton (as sulphates) ..... max. 0,01% pH (5%) ..... 2,5–3,5 ammonium (NH_4) ..... max. 0,05% iron (Fe) ..... max. 0,0005% copper (Cu) ..... max. 0,0005% heavy metals (as Pb) ..... max. 0,0005% sulphate (SO_4) ..... max. 0,002% arsenic (As) ..... max. 0,0005% R: 23/24/25 S: 2-13-45 disposal: 4	WG. 2828	100 g 500 g	16,25 59,—	13,80 50,15	13,— 47,20	12,20 45,45

SPECTRANAL® solvents for spectroscopy

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33262	**Hydroxylammonium chloride** R.G., for determination of mercury, Reag. ACS, Reag. ISO, Reag. Ph. Eur. I *Hydroxylammonium chlorure / Hidroxilamonio cloruro* $[NH_4OH]Cl$ H_4ClNO $M = 69{,}49$ g/mol assay ..... min. 99 % residue on ignition (as sulphates) ..... max. 0,01 % pH (5 %, 20 °C) ..... 2,5 – 3,5 ammonium (NH_4) ..... max. 0,05 % arsenic (As) ..... max. 0,0005 % iron (Fe) ..... max. 0,0005 % copper (Cu) ..... max. 0,0005 % mercury (Hg) ..... max. 0,000001 % heavy metals (as Pb) ..... max. 0,0005 % sulphate (SO_4) ..... max. 0,002 % R: 23/24/25 S: 2-13-45 disposal: 4	WG. *2828*	250 g	45,–	38,25	36,–	3
18414	**Hydroxylammonium chloride** chem. pure Erg. B. 6 *Hydroxylammonium chlorure / Hidroxilamonio cloruro* $[NH_3OH]Cl$ H_4ClNO $M = 69{,}49$ g/mol assay ..... 99 % residue on ignition (as sulphates) ..... 0,01 % insoluble in water ..... 0,005 % ammonium (NH_4) ..... 0,05 % arsenic (As) ..... 0,0005 % iron (Fe) ..... 0,0005 % heavy metals (as Pb) ..... 0,002 % sulphate (SO_4) ..... 0,002 % R: 23/24/25 S: 2-13-45 disposal: 4	PF. PF. PF. FTP. *2828*	100 g 500 g 1 kg 50 kg	10,50 37,75 69,– price on request	8,95 32,10 58,65	8,40 30,20 55,20	2 5
33237	**Hydroxylammonium sulphate** R. G. *Hydroxylammonium sulfate / Hidroxilamonio sulfato* $[NH_3OH]_2SO_4$ $H_8N_2O_6S$ $M = 164{,}14$ g/mol assay ..... min. 99 % insoluble in water ..... max. 0,005 % residue on ignition (as sulphates) ..... max. 0,05 % iron (Fe) ..... max. 0,0005 % heavy metals (as Pb) ..... max. 0,001 % chloride (Cl) ..... max. 0,001 % R: 23/24/25 S: 2-13-45 disposal: 4	PF. PF. *2828*	100 g 500 g	15,– 54,50	12,75 46,35	12,– 43,60	1 4
18416	**Hydroxylammonium sulphate** chem. pure *Hydroxylammonium sulfate / Hidroxilamonio sulfato* $[NH_3OH]_2SO_4$ $H_8N_2O_6S$ $M = 164{,}14$ g/mol assay ..... 99 % residue on ignition (as sulphates) ..... 0,05 % iron (Fe) ..... 0,0005 % heavy metals (as Pb) ..... 0,001 % chloride (Cl) ..... 0,001 % R: 23/24/25 S: 2-13-45 disposal: 4	PF. PF. *2828*	100 g 500 g	9,50 29,–	8,10 24,65	7,60 23,20	2
63529	DL-4-**Hydroxymandelic acid monohydrate** PROSYNTH® *Acide DL-4-hydroxymandélique monohydraté / Acido DL-4-hidroxiamigdálico monohidrato* $HOC_6H_4CH(OH)COOH \cdot H_2O$ $C_8H_8O_4 \cdot H_2O$ $M = 186{,}16$ g/mol assay (alkalimetric) ..... 99 % melting range ..... 81 – 83 °C	FL. *2916*	1 g	34,50	29,35	27,60	2

refer explanations

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9	**2-Hydroxy-5-methoxybenzaldehyde** PROSYNTH® *2-Hydroxy-5-méthoxybenzaldéhyde / 2-Hidroxi-5-metoxibenzaldehido* $C_6H_3(CHO)(OH)(OCH_3)$ $C_8H_8O_3$ $M = 152{,}15$ g/mol 1 L ≈ 1,22 kg assay (GC) ..... 98% boiling range (at 3,3 mbar) ..... 101–103 °C refractive index (n_D^{20}) 1,579	FL. 2911	10 ml	293,—	249,05	234,40	219,75
	1-Hydroxy-2-methoxybenzene see Guaiacol						
1	**2-Hydroxy-4-methoxybenzophenone** PROSYNTH® *2-Hydroxy-4-méthoxybenzophénone / 2-Hidroxi-4-metoxibenzofenona* $C_6H_3(OH)(CH_3O)(COC_6H_5)$ $C_{14}H_{12}O_3$ $M = 228{,}25$ g/mol assay (HPLC) ..... 99% melting range ..... 63–64 °C	WG. 2913	100 g	32,25	27,40	25,80	24,20
4	**2-Hydroxy-4-methoxybenzophenone-5-sulphonic acid** PROSYNTH® *Acide hydroxy-2-méthoxy-4-benzophénone-5-sulfonique / Acido 2-hidroxi-4-metoxibenzofenona-5-sulfónico* $C_6H_5COC_6H_2OH(OCH_3)(SO_3H)$ $C_{14}H_{12}O_6S$ $M = 308{,}31$ g/mol assay (HPLC) 98%	PF. 2913	100 g	51,—	43,35	40,80	38,25
	6-Hydroxy-3-methoxy-1-*tert.*-butylbenzene see 2-*tert.*-Butyl-4-methoxyphenol						
3	**4-Hydroxy-3-methoxycinnamic acid** PROSYNTH® *Acide hydroxy-4-méthoxy-3-cinnamique / Acido 4-hidroxi-3-metoxicinámico* $CH_3OC_6H_3(OH)CH=CHCOOH$ $C_{10}H_{10}O_4$ $M = 194{,}19$ g/mol assay (HPLC) ..... 98% melting range ..... 168–170 °C	WG. 2916	10 g	18,75	15,95	15,—	14,05
2	**4-Hydroxy-3-methoxymandelic acid** BIOSYNTH® *Acide 4-hydroxy-3-méthoxymandélique / Acido 4-hidroxi-3-metoxiamigdálico* $CH_3OC_6H_3(OH)CH(OH)COOH$ $C_9H_{10}O_5$ $M = 198{,}18$ g/mol	FL. 2916	1 g	44,75	38,05	35,80	33,55
0	**4-Hydroxy-3-methoxymandelic acid** PROSYNTH® *Acide 4-hydroxy-3-méthoxymandélique / Acido 4-hidroxi-3-metoxiamigdálico* $CH_3OC_6H_3(OH)CH(OH)COOH$ $C_9H_{10}O_5$ $M = 198{,}18$ g/mol assay (alkalimetric) ..... 99% melting range ..... 131–133 °C	FL. 2916	1 g	42,75	36,35	34,20	32,05
	α-Hydroxy-2-methoxytoluene see 2-Methoxibenzyl alcohol						
	α-Hydroxy-3-methoxytoluene see 3-Methoxybenzyl alcohol						
7 1224 2 C	**2-Hydroxy-2-methylbutanone-(3)** PROSYNTH® *2-Hydroxy-2-méthylbutanone-(3) / 2-Hidroxi-2-metilbutanona-(3)* $(CH_3)_2C(OH)COCH_3$ $C_5H_{10}O_2$ $M = 102{,}13$ g/mol 1 L ≈ 0, assay (GC) ..... boiling range ..... 139–14 refractive index (n_D^{20}) 1,415	FL. 2913	100 ml	51,50	43,80	41,20	38,65
	3-Hydroxy-1-methyl-4-*tert.*-butylbenzene see 2-*tert.*-Butyl-4-methylphenol						

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64080	**6-Hydroxy-4-methylcoumarin** PROSYNTH® *6-Hydroxy-4-méthylcoumarine / 6-Hidroxi-4-metilcumarina* $HOC_6H_3OCOCH=CCH_3$ $C_{10}H_8O_3$ $M = 176,17$ g/mol assay ..... 95 % melting range ..... 239 – 241 °C R: 23/24/25 S: 1-13-45 disposal: 10	WG. *2935*	5 g	37,75	32,10	30,20	28
	7-Hydroxy-4-methylcoumarin see 4-Methylumbelliferon						
	1-Hydroxy-3-methylcyclohexane see 3-Methylcyclohexanol						
	1-Hydroxy-4-methylcyclohexane see 4-Methylcyclohexanol						
64081 A 3/4 +80 °C	**3-Hydroxymethylheptene-(3)** PROSYNTH® mixture of *cis*- and *trans*-isomers *3-Hydroxyméthylheptène-(3) / 3-Hidroximetilhepteno-(3)* $CH_3CH_2C(CH_2OH)=CHCH_2CH_2CH_3$ $C_8H_{16}O$ $M = 128,21$ g/mol **1 L ≈ 0,84 kg** assay (GC) ..... 95 % boiling range (at 16 mbar) ..... 68 – 71 °C refractive index (n_D^{20}) 1,449	FL. *2904*	100 ml	32,50	27,65	26,—	24
63538	**4-(Hydroxymethyl)-imidazole hydrochloride** PROSYNTH® *4-(Hydroxyméthyl)-imidazole chlorhydrate /* *4-(Hidroximetil)-imidazol clorhidrato* $NHCH=NC(CH_2OH)=CH \cdot HCl$ $C_4H_7ClN_2O$ $M = 134,57$ g/mol assay (ex N) ..... 95 % melting range ..... 106 – 108 °C	FL. *2935*	1 g	45,—	38,25	36,—	33
	2-Hydroxy-2-methylpentanone-(4) see Diacetone alcohol						
63539	**N-Hydroxymethylphthalimide** PROSYNTH® *N-Hydroxyméthylphtalimide / N-Hidroximetilftalimida* $COC_6H_4CONCH_2OH$ $C_9H_7NO_3$ $M = 177,16$ g/mol assay (ex N) ..... 97 % melting range ..... 142 – 145 °C	WG. *2926*	100 g	44,50	37,85	35,60	33
	2-Hydroxy-2-methylpropanoic acid see 2-Hydroxy-*iso*-butyric acid						
63735	**4-(Hydroxymethyl)-pyridine** PROSYNTH® *4-(Hydroxyméthyl)-pyridine / 4-(Hidroximetil)-piridina* $N=CHCH=C(CH_2OH)CH=CH$ C_6H_7NO $M = 109,13$ g/mol assay (GC) ..... 98 % melting range ..... 53 – 55 °C	WG. *2935*	25 g	59,—	50,15	47,20	44
63541 A 6.1/21 C 6.1 2811 2	**2-Hydroxy-6-methylpyridine** PROSYNTH® *2-Hydroxy-6-méthylpyridine / 2-Hidroxi-6-metilpiridina* $N=C(OH)CH=CHCH=CCH_3$ C_6H_7NO $M = 109,13$ g/mol **1 L ≈ 1,13 kg**	WG. *2935*	5 g	33,25	28,25	26,60	24
63542	**3-Hydroxy-2-methyl-1,4-pyrone** PROSYNTH® *3-Hydroxy-2-méthyl-1-4-pyrone / 3-Hidroxi-2-metil-1,4-pirona* $OCH=CHCOC(OH)=CCH_3$ $C_6H_6O_3$ $M = 126,11$ g/mol assay (titration) ..... 98 %	WG. *2935*	25 g	47,—	39,95	37,60	35
64082	**2-Hydroxy-4-methylquinoline** PROSYNTH® *2-Hydroxy-4-méthylquinoléine / 2-Hidroxi-4-metilquinolina* $C_6H_4N=C(OH)CH=CCH_3$ $C_{10}H_9NO$ $M = 159,19$ g/mol assay (ex N) ..... 98 % melting range ..... 223 – 226 °C	WG. *2935*	250 g	34,50	29,35	27,60	25

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0	**2-Hydroxymethyltetrahydropyrane** PROSYNTH® *2-Hydroxyméthyltétrahydropyranne / 2-Hidroximetiltetrahidropirano* $O\underline{(CH_2)_4}CHCH_2OH$ $C_6H_{12}O_2$ $M = 116{,}16$ g/mol **1 L ≈ 1,03 kg** assay (GC) ..... 98% boiling range ..... 186—189%C refractive index (n_D^{20}) 1,458	FL. 2935	250 ml	30,—	25,50	24,—	22,50
1	**2-Hydroxymethylthiophene** PROSYNTH® *2-Hydroxyméthylthiophène / 2-Hidroximetiltiofeno* $S\underline{CH=CHCH=C}CH_2OH$ C_5H_6OS $M = 114{,}17$ g/mol **1 L ≈ 1,21 kg** assay (GC) ..... 98% boiling range ..... 205—207 °C refractive index (n_D^{20}) 1,564	FL. 2935	25 ml	43,75	37,20	35,—	32,80
	2-Hydroxymyristic acid see 2-Hydroxytetradecanoic acid						
4	**2-Hydroxy-1-naphthalenealdehyde** PROSYNTH® *Aldéhyde 2-hydroxynaphtoïque-(1) / 2-Hidroxinaftalenaldehido-(1)* $HOC_{10}H_6CHO$ $C_{11}H_8O_2$ $M = 172{,}18$ g/mol assay (HPLC) ..... 98% melting range ..... 81—83 °C	WG. 2911	100 g	43,75	37,20	35,—	32,80
8	**1-Hydroxy-2-naphthalenecarboxylic acid** PROSYNTH® *Acide 1-hydroxynaphtalènecarboxylique-(2) / Acido 1-hidroxinaftalenocarboxílico-(2)* $HOC_{10}H_6COOH$ $C_{11}H_8O_3$ $M = 188{,}18$ g/mol assay (alkalimetric) ..... 98% melting range ..... 203—205 °C (disint.)	WG. 2916	250 g	32,25	27,40	25,80	24,20
5	**3-Hydroxy-2-naphthalenecarboxylic acid** PROSYNTH® *Acide 3-hydroxynaphtalènecarboxylique-(2) / Acido 3-hidroxinaftalenocarboxílico-(2)* $HOC_{10}H_6COOH$ $C_{11}H_8O_3$ $M = 188{,}18$ g/mol assay (alcalimetric) ..... 98% melting range ..... 218—221 °C	WG. 2916	500 g	57,—	48,45	45,60	43,90
	3-Hydroxy-2-naphthoic acid anilide see Naphthol AS						
5	**2-Hydroxynaphthoquinone-(1,4)** PROSYNTH® *2-Hydroxynaphtoquinone-(1-4) / 2-Hidroxinaftoquinona-(1,4)* $C_6H_4\underline{COC(OH)=CHC}O$ $C_{10}H_6O_3$ $M = 174{,}16$ g/mol melting range ..... 187—190 °C assay 95%	WG. 2913	25 g	33,25	28,25	26,60	24,95
	5-Hydroxy-1,4-naphthoquinone see Juglone						
	4-[(2-Hydroxynaphthyl)azo]benzenesulphonic acid sodium salt see Tropaeolin 000 No. 1						
	4-Hydroxy-3-nitrophenylarsonic acid see 2-Nitrophenol-4-arsonic acid						
	1-Hydroxy-2-(4'-nitrophenylazo)-3-8-naphthalenedisulphonic acid disodium salt see Epsilon blue						

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64083 **2-Hydroxy-5-nitrophenyl sulphate dipotassium salt** PROSYNTH® *2-Hydroxy-5-nitrophényle sulfate sel dipotassique / 2-Hidroxi-5-nitrofenilo sulfato sal dipotásica* $NO_2C_6H_3(OK)OSO_3K$ $C_6H_3K_2NO_7S$ *M* = 311,35 g/mol assay ..... 95 % keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	FL. *2921*	1 g	119,50	101,60	95,60	89,
63546 A 6.1/21F C 6.1 * 1661 2 **2-Hydroxy-5-nitropyridine** PROSYNTH® *2-Hydroxy-5-nitropyridine / 2-Hidroxi-5-nitropiridina* N = CHC(NO_2) = CHCH = COH $C_5H_4N_2O_3$ *M* = 140,10 g/mol melting range ..... 188 – 190 °C R: 23/24/25 S: 44 disposal: 20	WG. *2935*	10 g	25,50	21,70	20,40	19,1
65032 A 6.1/21 C 6.1 2811 2 **3-Hydroxy-2-nitropyridine** PROSYNTH® *3-Hydroxy-2-nitropyridine / 3-Hidroxi-2-nitropiridina* N = CHCH = CHC(OH) = CNO_2 $C_5H_4N_2O_3$ *M* = 140,10 g/mol assay ..... 97 % melting range ..... 69 – 71 °C R: 23/24/25 S: 44 disposal: 20	FL. *2935*	5 g	28,50	24,25	22,80	21,4
12-Hydroxyoctadecanoic acid see 12-Hydroxystearic acid						
α-Hydroxyphenylacetic acid see Mandelic acid						
64635 **2-Hydroxyphenylacetic acid** PROSYNTH® *Acide hydroxy-2-phénylacétique / Acido 2-hidroxifenilacético* $HOC_6H_4CH_2COOH$ $C_8H_8O_3$ *M* = 152,15 g/mol assay (alkalimetric) ..... 98 % melting range ..... 145 – 147 °C	WG. *2916*	10 g	65,50	55,70	52,40	49,1
62677 **4-Hydroxyphenylacetic acid** PROSYNTH® *Acide 4-hydroxyphénylacétique / Acido 4-hidroxifenilacético* $HOC_6H_4CH_2COOH$ $C_8H_8O_3$ *M* = 152,15 g/mol assay (alkalimetric) ..... 99 % melting range ..... 148 – 151 °C	WG. *2916*	10 g	29,—	24,65	23,20	21,7
α-Hydroxyphenyl acetic acid nitrile see α-Hydroxyphenylacetonitrile						
62676 A 6.1/21 C 6.1 1935 1 **α-Hydroxyphenylacetonitrile** PROSYNTH® *α-Hydroxyphénylacétonitrile / α-Hidroxifenilacetonitrilo* $C_6H_5CH(OH)CN$ C_8H_7NO *M* = 133,15 g/mol **1 L ≈ 1,10 kg** assay (ex N) ..... 95 % boiling range ..... 168 – 170 °C refractive index (n_D^{20}) 1,532	FL. *2927*	100 ml	59,50	50,60	47,60	44,6
2-Hydroxy-1-(4'-phenylazophenylazo)-naphthalene see Sudan III						
1-Hydroxy-1-phenylethane see 1-Phenylethanol						
2-Hydroxy-1-phenylethane see 2-Phenylethanol						
64636 **N-(4-Hydroxyphenyl)glycine** PROSYNTH® *N-(Hydroxy-4-phényl)-glycine / N-(4-Hidroxifenil)glicina* $HOC_6H_4NHCH_2COOH$ $C_8H_9NO_3$ *M* = 167,16 g/mol	WG. *2923*	100 g	24,75	21,05	19,80	18,5

refer explanations

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	Hydroxyphenylpropane see Phenylpropanol						
	3-Hydroxy-1-phenylpropene-(1) see Cinnamyl alcohol						
	(±)-2-Hydroxy-2-phenylpropionic acid see DL-Atrolactinic acid hemihydrate						
	3-Hydroxy-2-phenylpropionic acid see DL-Tropic acid						
548	**3-(4-Hydroxyphenyl)propionic acid** PROSYNTH® *Acide 3-(4-hydroxyphényl)propionique / Acido 3-(4-hidroxifenil)propiónico* $HOC_6H_4CH_2CH_2COOH$ $C_9H_{10}O_3$ $M = 166{,}18$ g/mol assay (alkalimetric) ..... 99% melting range ..... 129–131 °C	WG. *2916*	5 g	32,75	27,85	26,20	24,55
084	**4-Hydroxyphenylpyruvic acid** PROSYNTH® *Acide 4-hydroxyphénylpyruvique / Acido 4-hidroxifenilpirúvico* $HOC_6H_4CH_2COCOOH$ $C_9H_8O_4$ $M = 180{,}16$ g/mol assay (alkalimetric) ..... 99% melting range ..... 218–220 °C	FL. *2916*	1 g	22,50	19,15	18,–	16,90
638	**1-Hydroxypiperidine** PROSYNTH® *Hydroxy-1-pipéridine / 1-Hidroxipiperidina* $HON(CH_2)_4CH_2$ $C_5H_{11}NO$ $M = 101{,}15$ g/mol assay ..... 97% melting range ..... 36–39 °C keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	WG. *2935*	10 g	58,–	49,30	46,40	43,50
327	**3-Hydroxypiperidine** PROSYNTH® *Hydroxy-3-pipéridine / 3-Hidroxipiperidina* $HNCH_2CHOHCH_2CH_2CH_2$ $C_5H_{11}NO$ $M = 101{,}15$ g/mol assay ..... 98% melting range ..... 58–62 °C	WG. *2935*	10 g	38,25	32,50	30,60	28,70
035	**4-Hydroxypiperidine** PROSYNTH® *Hydroxy-4-pipéridine / 4-Hidroxipiperidina* $NHCH_2CH_2CH(OH)CH_2CH_2$ $C_5H_{11}NO$ $M = 101{,}15$ g/mol assay ..... 98% melting range ..... 86–89 °C	WG. *2935*	25 g	66,–	56,10	52,80	49,50
014	**L(–)-4-Hydroxyproline** BIOSYNTH® *L(–)-4-Hydroxyproline / L(–)-4-Hidroxiprolina* $NHCH_2CH(OH)CH_2CHCOOH$ $C_5H_9NO_3$ $M = 131{,}13$ g/mol assay (ex N) ..... 99% specific rotation ($[\alpha]_D^{20}$; c=4 in H_2O) ..... −75° ± 1°	WG. *2935*	10 g	30,–	25,50	24,–	22,50
	2-Hydroxypropane-1,2,3-tricarboxylic acid see Citric acid						
	2-Hydroxypropionic acid see Lactic acid						
549	**3-Hydroxypropionic acid** PROSYNTH® *Acide 3-hydroxypropionique / Acido 3-hidroxipropiónico* $HOCH_2CH_2COOH$ $C_3H_6O_3$ $M = 90{,}08$ g/mol 1 L ≈ 1,26 kg assay (titration) ..... 95% refractive index (n_D^{20}) 1,448	FL. *2916*	25 ml	42,25	35,90	33,80	31,70

CHROMASOLV® solvents for chromatography

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	9 (16 B
60311 A 6.1/21A C 6.1 1935 1	**3-Hydroxypropionitrile** PROSYNTH® *3-Hydroxypropionitrile / 3-Hidroxipropionitrilo* $HOCH_2CH_2CN$ C_3H_5NO $M = 71{,}08$ g/mol **1 L ≈ 1,04 kg** assay (GC) ..... 99% boiling range ..... 225–228 °C refractive index (n_D^{20}) ..... 1,426 R: 23/24/25 S: 44 disposal: 15	FL. *2927*	500 ml	71,–	60,35	56,80	54
	2-Hydroxy-(1)-propionylbenzene see 2-Hydroxypropiophenone						
63859	**2-Hydroxypropiophenone** PROSYNTH® *2-Hydroxypropiophénone / 2-Hidroxipropiofenona* $HOC_6H_4COC_2H_5$ $C_9H_{10}O_2$ $M = 150{,}18$ g/mol **1 L ≈ 1,11 kg** assay (GC) ..... 98% boiling range (at 20 mbar) ..... 113–115 °C refractive index (n_D^{20}) 1,549	FL. *2913*	100 ml	53,50	45,50	42,80	40
62678	**4-Hydroxypropiophenone** PROSYNTH® *4-Hydroxypropiophénone / 4-Hidroxipropiofenona* $HOC_6H_4COC_2H_5$ $C_9H_{10}O_2$ $M = 150{,}18$ g/mol assay (titration) ..... 98% melting range ..... 148–150 °C	PF. *2913*	100 g	23,50	20,–	18,80	17
	2-Hydroxypropylamine see 1-Aminopropanol-(2)						
	3-Hydroxypropylamine see 3-Aminopropanol-(1)						
63550	**2-(3-Hydroxypropyl)benzimidazole** PROSYNTH® *2-(3-Hydroxypropyl)benzimidazole /* *2-(3-Hidroxipropil)benzimidazol* $C_6H_4NHC(CH_2CH_2CH_2OH)=N$ $C_{10}H_{12}N_2O$ $M = 176{,}22$ g/mol melting range ..... 164–167 °C	WG. *2935*	25 g	24,75	21,05	19,80	18
63551	**2-Hydroxypyridine** PROSYNTH® *2-Hydroxypyridine / 2-Hidroxipiridina* $N=C(OH)CH=CHCH=CH$ C_5H_5NO $M = 95{,}10$ g/mol assay ..... 97% melting range ..... 104–106 °C	WG. *2935*	50 g	35,50	30,20	28,40	26
63552	**3-Hydroxypyridine** PROSYNTH® *3-Hydroxypyridine / 3-Hidroxipiridina* $N=CHC(OH)=CHCH=CH$ C_5H_5NO $M = 95{,}10$ g/mol assay ..... 98% melting range ..... 126–128 °C	WG. *2935*	25 g	22,50	19,15	18,–	16
63553	**4-Hydroxypyridine** PROSYNTH® *4-Hydroxypyridine / 4-Hidroxipiridina* $N=CHCH=C(OH)CH=CH$ C_5H_5NO $M = 95{,}10$ g/mol assay ..... 95% water 5%	WG. *2935*	25 g	44,25	37,60	35,40	33
63554	**2-Hydroxypyridine-5-carboxylic acid** PROSYNTH® *Acide 2-hydroxypyridine-5-carboxylique / Acido 2-hidroxipiridina-5-carboxílico* $N=C(OH)CH=CHC(COOH)=CH$ $C_6H_5NO_3$ $M = 139{,}11$ g/mol assay (alkalimetric) 97%	WG. *2935*	10 g	28,25	24,–	22,60	21

refer explanations

e-Number /ADR /VE/GGVS DG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
55	**3-Hydroxypyridine-N-oxide** PROSYNTH® *3-Hydroxypyridine-N-oxyde / 3-Hidroxipiridina-N-óxido* $ON=CHC(OH)=CHCH=CH$ $C_5H_5NO_2$ M = 111,10 g/mol assay ..... 95% melting range ..... 188–190 °C	WG. 2935	10 g	52,50	44,65	42,–	39,40
56	**4(6)-Hydroxypyrimidine** PROSYNTH® *4(6)-Hydroxypyrimidine / 4(6)-Hidroxipirimidina* $N=CHN=C(OH)CH=CH$ $C_4H_4N_2O$ M = 96,09 g/mol assay ..... 97% melting range ..... 165–167 °C	FL. 2935	1 g	23,25	19,75	18,60	17,45
07	**2-Hydroxypyrimidine hydrochloride** PROSYNTH® *2-Hydroxypyrimidine chlorhydrate / 2-Hidroxipirimidina clorhidrato* $N=C(OH)N=CHCH=CH \cdot HCl$ $C_4H_5ClN_2O$ M = 132,55 g/mol assay (ex Cl) ..... 97% melting range ..... 202–205 °C (disint.)	WG. 2935	10 g	36,–	30,60	28,80	27,–
99	**8-Hydroxyquinaldine** R. G. *8-Hydroxyquinaldine / 8-Hidroxiquinaldina* $HOC_6H_3N=C(CH_3)CH=CH$ $C_{10}H_9NO$ M = 159,19 g/mol	WG. 2935	250 g	price on request			
127	**8-Hydroxyquinaldine** PROSYNTH® *8-Hydroxyquinaldine / 8-Hidroxiquinaldina* $HOC_6H_3N=C(CH_3)CH=CH$ $C_{10}H_9NO$ M = 159,19 g/mol assay ..... 99% melting range ..... 71–73 °C	WG. 2935	100 g	27,–	22,95	21,60	20,25
128	**2-Hydroxyquinoline** PROSYNTH® *2-Hydroxyquinoléine / 2-Hidroxiquinolina* $C_6H_4N=COHCH=CH$ C_9H_7NO M = 145,16 g/mol assay (ex N) ..... 98% melting range ..... 197–199 °C	FL. WG. 2935	† 1 g 25 g	11,– 180,–	9,35 153,–	144,–	135,–
360	**4-Hydroxyquinoline** PROSYNTH® *4-Hydroxyquinoléine / 4-Hidroxiquinolina* $C_6H_4N=CHCH=COH$ C_9H_7NO M = 145,16 g/mol assay (ex N) ..... 98% melting range ..... 202–204 °C	FL. 2935	1 g	22,50	19,15	18,–	16,90
187	**6-Hydroxyquinoline** PROSYNTH® *6-Hydroxyquinoléine / 6-Hidroxiquinolina* $HOC_6H_3CH=CHCH=N$ C_9H_7NO M = 145,16 g/mol melting range ..... 188–190 °C	PF. 2935	25 g	126,50	107,55	101,20	94,90
502	**8-Hydroxyquinoline** R. G., Reag. ACS *8-Hydroxyquinoléine / 8-Hidroxiquinolina* $HOC_6H_3CH=CHCH=N$ C_9H_7NO M = 145,16 g/mol assay ..... min. 99% melting range ..... 72,5–74,0 °C insoluble in ethanol ..... max. 0,05% sulphated ash ..... max. 0,05% chloride (Cl) ..... max. 0,001% sulphate (SO_4) ..... max. 0,01% suitability for determination of magnesium ..... passes test	WG. WG. WG. 2935	† 25 g 100 g 250 g	7,50 19,– 41,–	6,40 16,15 34,85	15,20 32,80	14,25 30,75

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	
32504	**8-Hydroxyquinoline** test substance for elementary analysis *8-Hydroxyquinoléine / 8-Hidroxiquinolina* $HOC_6H_3CH=CHCH=N$ C_9H_7NO $M = 145{,}16$ g/mol suitable for determination of C, H, N, O carbon (C) ..... 74,5% hydrogen (H) ..... 4,9% nitrogen (N) ..... 9,6% oxygen (O) 11,0%	WG. *2935*	100 g	price on request			
22019	**8-Hydroxyquinoline** *8-Hydroxyquinoléine / 8-Hidroxiquinolina* $HOC_6H_3CH=CHCH=N$ C_9H_7NO $M = 145{,}16$ g/mol assay ..... 99,5% melting range ..... 72–74 °C sulphated ash 0,05%	WG. WG. WG. FTP. *2935*	100 g 250 g 1 kg 50 kg	15,– 32,75 109,– price on request	12,75 27,85 92,65	12,– 26,20 87,20	11 24 83
22060	**8-Hydroxyquinoline benzoate** *8-Hydroxyquinoléine benzoate / 8-Hidroxiquinolina benzoato* $HOC_6H_3CH=CHCH=N \cdot C_6H_5COOH$ $C_{16}H_{13}NO_3$ $M = 267{,}28$ g/mol	WG. FTP. *2935*	1 kg 25 kg	price on request price on request			
63520	**2-Hydroxyquinoline-4-carboxylic acid** PROSYNTH® *Acide 2-hydroxyquinoléinecarboxylique-(4) / Acido 2-hidroxiquinolincarboxilico-(4)* $C_6H_4N=C(OH)CH=CCOOH$ $C_{10}H_7NO_3$ $M = 189{,}17$ g/mol assay (alkalimetric) ..... 95% melting range ..... 341–343 °C	WG. *2935*	50 g	37,75	32,10	30,20	28
	4-Hydroxyquinoline-2-carboxylic acid see Kynurenic acid						
22020	**8-Hydroxyquinoline hydrochloride** *8-Hydroxyquinoléine chlorhydrate / 8-Hidroxiquinolina clorhidrato* $HOC_6H_3CH=CHCH=N \cdot HCL$ C_9H_8ClNO $M = 181{,}62$ g/mol	WG. BL. BL. *2935*	1 kg 5 kg 5 kg	108,– 459,– price on request	91,80 380,95	86,40 358,–	83 344
22022	**8-Hydroxyquinoline sulphate** Ph. Ned. VI *8-Hydroxyquinoléine sulfate / 8-Hidroxiquinolina sulfato* $(HOC_6H_3CH=CHCH=N)_2 \cdot H_2SO_4 \cdot H_2O$ $C_{18}H_{16}N_2O_6S \cdot H_2O$ $M = 406{,}41$ g/mol R: 20/21/22 S: 2-13 disposal: 8	PF. FTP. FTP. *2935*	1 kg 50 kg 500 kg	89,– price on request price on request	75,65	71,20	68
22023	**8-Hydroxyquinoline sulphate-potassium sulphate** B. P.C. 1973 *8-Hydroxyquinoléine sulfate-potassium sulfate / 8-Hidroxiquinolina sulfato-potasio sulfato* $C_{18}H_{16}N_2O_6S/K_2SO_4$ $M = 562{,}66$ g/mol R: 20/21/22 S: 2-13 disposal: 8	PF. FTP. *2935*	1 kg 50 kg	76,50 price on request	65,05	61,20	58
22024	**8-Hydroxyquinoline-5-sulphonic acid** *Acide 8-hydroxyquinoléine-5-sulfonique / Acido 8-hidroxiquinolina-5-sulfónico* $HOC_6H_2(SO_3H)CH=CHCH=N \cdot H_2O$ $C_9H_7NO_4S \cdot H_2O$ $M = 243{,}24$ g/mol	PF. FTP. *2935*	1 kg 50 kg	86,50 price on request	73,55	69,20	66
63557	**12-Hydroxystearic acid** PROSYNTH® *Acide hydroxy-12-stéarique / Acido 12-hidroxiesteárico* $CH_3(CH_2)_5CH(OH)(CH_2)_{10}COOH$ $C_{18}H_{36}O_3$ $M = 300{,}48$ g/mol assay (alkalimetric) ..... 90% melting range ..... 74–76 °C	PF. *2916*	500 g	36,25	30,80	29,–	27

refer explanations

-Number 'ADR 'E/GGVS G-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
8	**4-Hydroxystilbene** PROSYNTH® *4-Hydroxystilbène / 4-Hidroxiestilbeno* $HOC_6H_4CH=CHC_6H_5$ $C_{14}H_{12}O$ $M = 196{,}25$ g/mol assay ..... 98% melting range ..... 184—186 °C	WG. *2906*	10 g	50,50	42,95	40,40	37,90
0	**N-Hydroxysuccinimide** PROSYNTH® *N-Hydroxysuccinimide / N-Hidroxisuccinimida* $HONCOCH_2CH_2CO$ $C_4H_5NO_3$ $M = 115{,}09$ g/mol assay (alkalimetric) ..... 97% melting range ..... 95—98 °C	WG. *2926*	10 g	19,25	16,35	15,40	14,45
	2-[a-(Hydroxy-5-sulphophenylazo) benzyliden]-hydrazino)-benzoic acid monosodium salt see Zincon						
	Hydroxy sulphophenyl sulphophenylazo-pyrazol carboxylic acid see Tartrazine						
43	**2-Hydroxytetradecanoic acid** PROSYNTH® *Acide 2-hydroxytétradécanoïque / Acido 2-hidroxitetradecanóico* $CH_3(CH_2)_{11}CH(OH)COOH$ $C_{14}H_{28}O_3$ $M = 244{,}37$ g/mol assay (alkalimetric) ..... 98% melting range ..... 81—83 °C	WG. *2916*	10 g	125,—	106,25	100,—	93,75
	2-Hydroxy-1,3,5-trimethylbenzene see 2,4,6-Trimethylphenol						
60	**DL-5-Hydroxytryptophan** PROSYNTH® *DL-5-Hydroxytryptophane / DL-5-Hidroxitriptófano* $HOC_6H_3NHCH=CCH_2CH(NH_2)COOH$ $C_{11}H_{12}N_2O_3$ $M = 220{,}23$ g/mol assay (ex N) ..... 99% melting range ..... 295—298 °C (disint.)	FL. *2935*	1 g	98,—	83,30	78,40	73,50
41	**L-5-Hydroxytryptophan** PROSYNTH® *L-5-Hydroxytryptophane / L-5-Hidroxitriptófano* package of 100 mg $HOC_6H_3NHCH=CCH_2CH(NH_2)COOH$ $C_{11}H_{12}N_2O_3$ $M = 220{,}23$ g/mol assay ..... 99% melting range ..... 250—255 °C (disint.) spezific rotation ($[\alpha]_D^{20}$, c = 1 in H_2O) ..... -31° ± 1°	*2935*	1 pack	26,50	22,55	21,20	19,90
679	**3-Hydroxytyraminium chloride** PROSYNTH® *3-Hydroxytyramine chlorhydrate / 3-Hidroxitiramina clorhidrato* $(HO)_2C_6H_3CH_2CH_2NH_2 \cdot HCl$ $C_8H_{12}ClNO_2$ $M = 189{,}64$ g/mol assay (ex Cl) ..... 99% melting range ..... 244—247 °C	WG. *2923*	5 g	15,50	13,20	12,40	11,65
	Hypnone see Acetophenone						
123	**Hypophosphorous acid** 60% pure *Acide hypohosphoreux / Acido hipofosforoso* HPH_2O_2 $M = 66{,}00$ g/mol **1 L ≈ 1,26 kg** assay ..... 59,5—60,5% arsenic (As) ..... 0,0002% iron (Fe) ..... 0,002% copper (Cu) ..... 0,0005% sodium (Na) ..... 0,1% heavy metals (as Pb) ..... 0,002% chloride (Cl) ..... 0,02% sulphate (SO_4) ..... 0,05% R: 34 S: 26 disposal: 1	PF. FPF. *2813*	1 L 70 kg	54,50 price on request	46,35	43,60	41,95

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30420	**Hypophosphorous acid** 50% R. G. *Acide hypophosphoreux / Acido hipofosforoso* HPH_2O_2 *M* = 66,00 g/mol **1 L ≈ 1,21 kg** assay ... 49,5–50,5% arsenic (As) ... max. 0,00005% calcium (Ca) ... max. 0,005% iron (Fe) ... max. 0,001% copper (Cu) ... max. 0,0001% sodium (Na) ... max. 0,01% heavy metals (as Pb) ... max. 0,001% phosphite and phosphate (as H_3PO_3) ... max. 1% chloride (Cl) ... max. 0,01% sulphate (SO_4) ... max. 0,005% R: 34 S: 26 disposal: 1		PF. PF. *2813*	250 ml 1 L	41,50 138,50	35,30 117,75	33,20 110,80	31 106
04422	**Hypophosphorous acid** 50% pure *Acide hypophosphoreux / Acido hipofosforoso* HPH_2O_2 *M* = (anhydrous) 66,00 g/mol **1 L ≈ 1,21 kg** assay ... 49,5–50,5% arsenic (As) ... 0,0002% iron (Fe) ... 0,002% copper (Cu) ... 0,0005% sodium (Na) ... 0,1% heavy metals (as Pb) ... 0,002% chloride (Cl) ... 0,02% sulphate (SO_4) ... 0,05% R: 34 S: 26 disposal: 1		PF. FPF. *2813*	1 L 70 kg	47,– price on request	39,95	37,60	36,
04429	**Hypophosphorous acid** 50% technical *Acide hypophosphoreux / Acido hipofosforoso* HPH_2O_2 *M* = 66,00 g/mol **1 L ≈ 1,21 kg** assay ... 49,5–50,5% iron (Fe) ... 0,005% copper (Cu) ... 0,001% heavy metals (as Pb) ... 0,005% sulphate (SO_4) ... 2% R: 34 S: 26 disposal: 1		PF. FPF. *2813*	1 L 70 kg	37,25 price on request	31,65	29,80	28,
04420	**Hypophosphorous acid** 30% chem. pure B. P. C. 1963, N. F. XIV *Acide hypophosphoreux / Acido hipofosforoso* HPH_2O_2 *M* = 66,00 g/mol **1 L ≈ 1,13 kg** assay ... 30–32% arsenic (As) ... 0,0001% calcium (Ca) ... 0,005% iron (Fe) ... 0,002% copper (Cu) ... 0,0005% sodium (Na) ... 0,05% heavy metals (as Pb) ... 0,001% chloride (Cl) ... 0,02% sulphate (SO_4) ... 0,02% R: 34 S: 26 disposal: 1		PF. FPF. *2813*	1 L 65 kg	30,75 price on request	26,15	24,60	23,
39179	**Hypoxanthine** BIOSYNTH® *Hypoxanthine / Hipoxantina* $C_5H_4N_4O$ *M* = 136,11 g/mol assay (UV) ... 99% log ε/249 (water) ... 4,015		WG. *2935*	10 g	48,–	40,80	38,40	36,
39632	**Hyprose SP 80** for gas chromatography $C_{36}H_{70}O_{19}$ *M* = 806,94 g/mol working temperature ... to 175 °C		WG. *2943*	50 g	88,–	74,80	70,40	66,
	IBA see Indolyl butyric acid							

-Number /ADR /E/GGVS G-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	IDRANAL® reagents for complexometry						
9	**IDRANAL® I** (Nitrilotriacetic acid) R. G. $N(CH_2COOH)_3$ $C_6H_9NO_6$ $M = 191,14$ g/mol assay ..... min. 99,5% calcium (Ca) ..... max. 0,002% iron (Fe) ..... max. 0,0005% potassium (K) ..... max. 0,001% magnesium (Mg) ..... max. 0,001% sodium (Na) ..... max. 0,01% chloride (Cl) ..... max. 0,01% sulphate (SO_4) ..... max. 0,01%	PF. PF. PF. 2923	50 g 250 g 1 kg	11,75 41,50 138,50	10,— 35,30 117,75	9,40 33,20 110,80	8,80 31,15 106,65
40	**IDRANAL® II** (Ethylenediaminetetraacetic acid) R. G. $(HOOCCH_2)_2NCH_2CH_2N(CH_2COOH)_2$ $C_{10}H_{16}N_2O_8$ $M = 292,25$ g/mol assay ..... min. 99,5% loss on drying (105 °C, 2 h) ..... max. 0,1% calcium (Ca) ..... max. 0,001% iron (Fe) ..... max. 0,0005% potassium (K) ..... max. 0,0005% magnesium (Mg) ..... max. 0,001% sodium (Na) ..... max. 0,02% chloride (Cl) ..... max. 0,02% sulphate (SO_4) ..... max. 0,01%	PF. PF. PF. 2923	100 g 250 g 1 kg	10,75 22,— 64,50	9,15 18,70 54,85	8,60 17,60 51,60	8,05 16,50 49,65
49	**IDRANAL® III** (Ethylenediaminetetraacetic acid disodium salt) R. G. Reag. Ph. Eur. I $[CH_2N(CH_2COOH)CH_2COONa]_2 \cdot 2H_2O$ $C_{10}H_{14}N_2Na_2O_8 \cdot 2H_2O$ $M = 372,24$ g/mol assay ..... 99,0—100,5% insoluble in water ..... max. 0,01% pH (0,1 M, 20 °C) ..... 4,2—4,6 calcium (Ca) ..... max. 0,005% iron (Fe) ..... max. 0,0005% copper (Cu) ..... max. 0,0002% magnesium (Mg) ..... max. 0,0005% heavy metals (as Pb) ..... max. 0,001% chloride (Cl) ..... max. 0,005% sulphate (SO_4) ..... max. 0,01%	PF. PF. PF. FTP. 2923	50 g 100 g 1 kg 50 kg	8,75 14,50 102,— kg	7,45 12,35 86,70 48,—	7,— 11,60 81,60	6,55 10,90 78,55
057	**0,1 mol IDRANAL® III** FIXANAL® 37,224 g $C_{14}H_{10}N_2Na_2O_8 \cdot H_2O$ for 1 L 0,1 M solution bottle R: 36/38 S: 2-26	3819	1 pack	12,50	10,65	10,—	9,40
550	**IDRANAL® III solution 0,1 mol/l** 0,1 M solution of Ethylenediaminetetraacetic acid, disodium salt, for metal titration, volumetric solution Ph. Eur. I 1 L ≈ 1,00 kg	PF. PF. 3819	500 ml 1 L	11,50 19,75	9,80 16,80	9,20 15,80	8,85 15,20
588	**IDRANAL® IV** (1,2-Diaminocyclohexanetetraacetic acid) R. G. $(HOOCCH_2)_2NC_6H_{10}N(CH_2COOH)_2$ $C_{14}H_{22}N_2O_8 \cdot H_2O$ $M = 364,35$ g/mol	PF. PF. 2923	25 g 100 g	39,75 138,—	33,80 117,30	31,80 110,40	29,80 103,50
589	**IDRANAL® V** (Diethylenetriaminepentaacetic acid) R. G. $HOOCCH_2N[C_2H_4N(CH_2COOH)_2]_2$ $C_{14}H_{23}N_3O_{10}$ $M = 393,35$ g/mol assay ..... min. 99% insoluble in water ..... max. 0,01% loss on drying (105 °C, 2 h) ..... max. 0,1% calcium (Ca) ..... max. 0,001% iron (Fe) ..... max. 0,0005% potassium (K) ..... max. 0,001% magnesium (Mg) ..... max. 0,0005% sodium (Na) ..... max. 0,001% heavy metals (as Pb) ..... max. 0,001% chloride (Cl) ..... max. 0,001% sulphate (SO_4) ..... max. 0,01%	PF. 2923	100 g	18,50	15,75	14,80	13,90

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	(16
34596	**IDRANAL® VI** R.G. [Ethylene glycol bis-(2-aminoethyl ether)-N,N,N',N'-tetraacetic acid] $[(HOOCCH_2)_2NCH_2CH_2OCH_2-]_2$ $C_{14}H_{24}N_2O_{10}$ $M = 380{,}35$ g/mol	WG. *2923*	25 g	50,—	42,50	40,—	3
34543	**IDRANAL® 100** IDRANAL® III solution for water hardness determination, 1 ml ≙ 1 German degree of hardness in 100 ml of water **1 L ≈ 1,00 kg**	PF. PF. *3819*	500 ml 1 L	11,50 19,75	9,80 16,80	9,20 15,80	1
38055	**IDRANAL® A** FIXANAL® (1 ml ready-for-use solution ≙ 5,6 German degrees of hardness in 100 ml of water) for the preparation of 1 L ready-for-use solution bottle R: 36/38 S: 2-26	*3819*	1 pack	12,50	10,65	10,—	
34547	**IDRANAL® A solution** IDRANAL® III solution with zinc complex added for water hardness determination, 1 ml ≙ 5,6 German degrees of hardness in 100 ml of water **1 L ≈ 1,00 kg**	PF. PF. *3819*	500 ml 1 L	11,50 20,75	9,80 17,65	9,20 16,60	8 16
38056	**IDRANAL® B** FIXANAL® (1 ml ready-for-use solution ≙ 1 German degree of hardness in 100 ml of water) for the preparation of 1 L ready-for-use solution bottle	*3819*	1 pack	12,50	10,65	10,—	
34544	**IDRANAL® B solution** IDRANAL® III solution with zinc complex added for water hardness determination, 1 ml ≙ 1 German degree of hardness in 100 ml of water **1 L ≈ 1,00 kg**	PF. PF. *3819*	500 ml 1 L	10,— 16,50	8,50 14,05	8,— 13,20	7 12
34542	**IDRANAL® C solution** IDRANAL® III solution with zinc complex added for water hardness determination with the measuring tube H DIN 12812, 3,73 ml ≙ 20 German degrees of hardness in 40 ml of water **1 L ≈ 1,00 kg**	PF. PF. *3819*	500 ml 1 L	12,75 17,25	10,85 14,65	10,20 13,80	9 13
27286	**Ammonium iron(III)-IDRANAL®** [Etyhlenediaminetetraacetic acid, ammonium-iron(III) salt] *Ammonium-fer(III)-IDRANAL® / Amonio-hierro(III)-IDRANAL®* $C_{10}H_{16}FeN_3O_8$ $M = 362{,}10$ g/mol assay of Fe ..... 12—14% free ethylenediaminetetraaceticacid ..... max. 0,3% free iron(III) ..... max. 0,1% pH (5%, 20 °C) ..... 4—6 chloride (Cl) ..... max. 0,1% redox potential ..... passes test	PF. S. *3819*	1 kg 50 kg	price on request price on request			
27289	**Ammonium iron(III)-IDRANAL® solution** 7% Fe [Ethylenediaminetetraacetic acid, ammonium-iron(III) salt] *Ammonium-fer(III)-IDRANAL® en solution / Amonio-hierro(III)-IDRANAL® en solución* $C_{10}H_{16}FeN_3O_8$ $M = 362{,}10$ g/mol assay of Fe ..... 7,0—7,2% free ethylenediaminetetraacetic acid ..... max. 0,3% free iron(III) ..... max. 0,1% pH (1+10) ..... 7—8 chloride (Cl) ..... max. 0,1% sulphate (SO_4) ..... max. 0,1%	PF. *3819*	1 L	price on request			

Number DR /GGVS -CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	Magnesium-IDRANAL® (Ethylenediaminetetraacetic acid, dipotassium magnesium salt) R. G. *Magnésium-IDRANAL® / Magnesio-IDRANAL®* $C_{10}H_{12}K_2MgN_2O_8 \cdot 2H_2O$ $M = 426{,}75$ g/mol assay ..... 98–102% pH (0,1 M, 20 °C) ..... 8,5–9,5 free magnesium (Mg) ..... max. 0,003% free EDTA ..... max. 0,03% calcium (Ca) ..... max. 0,05% iron (Fe) ..... max. 0,001% heavy metals (as Pb) ..... max. 0,001% chloride (Cl) ..... max. 0,005% sulphate (SO_4) ..... max. 0,01%	WG. PF. FTP. *2923*	25 g 100 g 50 kg	9,50 30,25 kg	8,10 25,70 56,–	7,60 24,20	7,15 22,70
	Zinc-IDRANAL® (Ethylenediaminetetraacetic acid, disodium zinc salt) R. G. $C_{10}H_{12}N_2Na_2O_8Zn \cdot 4H_2O$ $M = 471{,}63$ g/mol	PF. *2923*	100 g	23,–	19,55	18,40	17,25
	Indicator buffer tablets "Riedel" for titration with IDRANAL® *Comprimés tampon-indicateur "Riedel" / Tabletas tampón indicador "Riedel"* bottle of 1000 tablets	*3819*	1 pack	20,25	17,20	16,20	15,20
	Indicator buffer tablets "Riedel" for titrations with IDRANAL® *Comprimés tampon-indicateur "Riedel" / Tabletas tampón indicador "Riedel"* bottle of 500 tablets	*3819*	1 pack	19,75	16,80	15,80	14,80
	Igepal CO 990 for gas chromatography working temperature ..... 100 to 220 °C	WG. *3919*	50 g	22,–	18,70	17,60	16,50
	Imidazole PROSYNTH® *Imidazole / Imidazol* NHCH=NCH=CH $C_3H_4N_2$ $M = 68{,}08$ g/mol assay (GC) ..... 99% melting range ..... 88–90 °C	WG. *2935*	250 g	60,50	51,45	48,40	45,40
	Imidazole-4-acrylic acid dihydrate PROSYNTH® *Acide imidazole-4-acrylique dihydrate / Acido imidazol-4-acrílico dihidrato* N=CHNHCH=CCH=CHCOOH · $2H_2O$ $C_6H_6N_2O_2 \cdot 2H_2O$ $M = 174{,}16$ g/mol assay (alkalimetric) ..... 99% melting range ..... 229–231 °C	FL. *2935*	1 g	30,25	25,70	24,20	22,70
	2-Imidazolidinone see N,N'-Ethylene urea						
	Iminodiacetic acid PROSYNTH® *Acide iminodiacétique / Acido iminodiacético* $HN(CH_2COOH)_2$ $C_4H_7NO_4$ $M = 133{,}10$ g/mol assay (alkalimetric) ..... 98% melting range ..... 239–241 °C (disint.)	WG. *2926*	10 g	18,–	15,30	14,40	13,50
	Iminodiacetic acid disodium salt containing water PROSYNTH® *Acide iminodiacétique sel disodique / Acido iminodiacético sal disódica* $HN(CH_2COONa)_2 \cdot xH_2O$ $C_4H_5NNa_2O_4 \cdot xH_2O$ M (anhydrous) = 177,07 g/mol	WG. *2923*	50 g	49,75	42,30	39,80	37,30

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	
64304 A 6.1/21 A C 6.1 2811 2	**Iminodiacetonitrile** PROSYNTH® *Iminodiacétonitrile / Iminodiacetonitrilo* $HN(CH_2CN)_2$ $C_4H_5N_3$ $M = 95{,}10$ g/mol assay (ex N) ..... 98 % melting range ..... 78 – 80 °C R: 23/24/25 S: 44 disposal: 15	WG. *2927*	250 g	96,50	82,05	77,20	7
	6-Imino-1,6-dihydropurine see Adenine						
64312 A 6.1/21A C 6.1 1935 1	**3,3'-Iminodipropionitrile** PROSYNTH® *Imino-3-3'-dipropionitrile / 3,3'-Iminodipropionitrilo* $NCCH_2CH_2NHCH_2CH_2CN$ $C_6H_9N_3$ $M = 123{,}16$ g/mol 1 L ≈ 1,02 kg assay (GC) ..... 98 % boiling range (at 19 mbar) ..... 177 – 179 °C refractive index (n_D^{20}) 1,464	FL. *2927*	100 ml	52,—	44,20	41,60	3
	2-Imino-N-methylhydantoin see Creatinine						
	Immersion oil see Cedar wood oil						
	Indane see Hydrindene						
63563	**Indanedione-(1,3)** PROSYNTH® *Indanedione-(1-3) / Indandiona-(1,3)* $C_6H_4COCH_2CO$ $C_9H_6O_2$ $M = 146{,}15$ g/mol assay (UV) ..... 97 % melting range ..... 129 – 132 °C log $\varepsilon_{/254}$ (0,1 N HCl) 3,957	WG. *2913*	10 g	22,50	19,15	18,—	1
	1,2,3-Indanetrione monohydrate see Ninhydrin						
63564	**5-Indanol** PROSYNTH® *5-Indanole / 5-Indanol* $HOC_6H_3CH_2CH_2CH_2$ $C_9H_{10}O$ $M = 134{,}18$ g/mol assay (GC) ..... 98 % melting range ..... 51 – 54 °C	WG. *2906*	25 g	35,—	29,75	28,—	2
62349	**Indanone-(1)** PROSYNTH® *Indanone-(1) / Indanona-(1)* $C_6H_4COCH_2CH_2$ C_9H_8O $M = 132{,}16$ g/mol assay (GC) ..... 99 % melting range ..... 38 – 40 °C	WG. *2913*	10 g	23,—	19,55	18,40	1
62686 A 3/4 C 3.3 1993 2 +58 °C	**Indene** PROSYNTH® *Indène / Indeno* $C_6H_4CH_2CH=CH$ C_9H_8 $M = 116{,}16$ g/mol 1 L ≈ 0,99 kg assay (GC) ..... 90 % boiling range ..... 181 – 183 °C refractive index (n_D^{20}) 1,573	FL. *2901*	250 ml	25,50	21,70	20,40	1

Number ADR E/GGVS G-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	Indicator papers and reagent papers *Papiers indicateurs etpapiers réactifs* *Papeles indicadores y papeles reactivos*						
	Universal indicator papers *Papiers indicateurs universel* *Papeles indicadores universal*						
10	**PANPEHA® Indicator paper pH 0—14** in 24 grades box of 200 strips	*4815*	**1 pack**	10,75	9,15	8,60	8,05
35	**PEHANAL® Indicator paper pH 1—11** roll with about 5 m original container with colour scale	*4815*	**1 pack**	7,25	6,15	5,80	5,45
37	**PEHANAL® Indicator paper pH 1—11** refill packing containing 3 rolls	*4815*	**1 pack**	12,—	10,20	9,60	9,—
26	**Universal indicator paper pH 0—14** non-bleeding box of 100 strips	*2901*	**1 pack**	6,—	5,10	4,80	4,60
14	**Universal indicator paper pH 1—11** roll with about 5 m 1 packing = 6 original container with 1 colour scale each	*4815*	**1 pack**	26,25	22,30	21,—	19,70
15	**Universal indicator paper pH 1—11** 1 refil packing = 2 bags à 3 rolls	*4815*	**1 pack**	12,75	10,85	10,20	9,55
	Special indicator papers in rolls *Papiers indicateurs spéciauc en roleaux* *Papeles indicadores especial en rollos*						
55	**Special indicator paper pH 0,5—5,5** roll with about 5 m 1 packing = 6 original container with 1 colour scale each	*4815*	**1 pack**	26,25	22,30	21,—	19,70
56	**Special indicator paper pH 0,5—5,5** 1 refill packing = 2 bags à 3 rolls	*4815*	**1 pack**	12,75	10,85	10,20	9,55
57	**Special indicator paper pH 3,8—5,8** roll with about 5 m 1 packing = 6 original container with 1 colour scale each	*4815*	**1 pack**	26,25	22,30	21,—	19,70
58	**Special indicator paper pH 3,8—5,8** 1 refill packing = 2 bags à 3 rolls	*4815*	**1 pack**	12,75	10,85	10,20	9,55
59	**Special indicator paper pH 4,0—7,0** roll with about 5 m 1 packing = 6 original container with 1 colour scale each	*4815*	**1 pack**	26,25	22,30	21,—	19,70
60	**Special indicator paper pH 4,0—7,0** 1 refill packing = 2 bags à 3 rolls	*4815*	**1 pack**	12,75	10,85	10,20	9,55
61	**Special indicator paper pH 5,4—7,0** roll with about 5 m 1 packing = 6 original container with 1 colour scale each	*4815*	**1 pack**	26,25	22,30	21,—	19,70
62	**Special indicator paper pH 5,4—7,0** 1 refill packing = 2 bags à 3 rolls	*4815*	**1 pack**	12,75	10,85	10,20	9,55
63	**Special indicator paper pH 5,5—9,0** roll with about 5 m 1 packing = 6 original container with 1 colour scale each	*4815*	**1 pack**	26,25	22,30	21,—	19,70
64	**Special indicator paper pH 5,5—9,0** 1 refill packing = 2 bags à 3 rolls	*4815*	**1 pack**	12,75	10,85	10,20	9,55
65	**Special indicator paper pH 6,4—8,0** roll with about 5 m 1 packing = 6 original container with 1 colour scale each	*4815*	**1 pack**	26,25	22,30	21,—	19,70
66	**Special indicator paper pH 6,4—8,0** 1 refill packing = 2 bags à 3 rolls	*4815*	**1 pack**	12,75	10,85	10,20	9,55
67	**Special indicator paper pH 7,2—9,7** roll of about 5 m 1 packing = 6 original container with 1 colour scale each	*4815*	**1 pack**	26,25	22,30	21,—	19,70
68	**Special indicator paper pH 7,2—9,7** 1 refill packing = 2 bags à 3 rolls	*4815*	**1 pack**	12,75	10,85	10,20	9,55
69	**Special indicator paper pH 8,0—10,0** roll with about 5 m 1 packing = 6 original container with 1 colour scale each	*4815*	**1 pack**	26,25	22,30	21,—	19,70

LUMILUX® phosphorescent and fluorescent pigments

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	(10
37070	**Special indicator paper pH 8,0—10,0** 1 refill packing = 2 bags à 3 rolls	*4815*	1 pack	12,75	10,85	10,20	
37071	**Special indicator paper pH 9,0—13,0** roll with about 5 m 1 packing = 6 original container with 1 colour scale each	*4815*	1 pack	26,25	22,30	21,—	1
37072	**Special indicator paper pH 9,0—13,0** 1 refill packing = 2 bags à 3 rolls	*4815*	1 pack	12,75	10,85	10,20	
37073	**Special indicator paper pH 12,0—14,0** roll with about 5 m 1 packing = 6 original container with 1 colour scale each	*4815*	1 pack	26,25	22,30	21,—	1
37074	**Special indicator paper pH 12,0—14,0** 1 refill packing = 2 bags à 3 rolls	*4815*	1 pack	12,75	10,85	10,20	
	Special indicator papers in strips *Papiers indicateurs spéciaux en bandes* *Papeles indicadores especial en tiras*						
37080	**POLYPEHA® Indicator paper pH 1—12** box of 200 strips	*4815*	1 pack	10,25	8,70	8,20	
37081	**POLYPEHA® Indicator paper pH 0,0—1,8** box of 200 strips	*4815*	1 pack	8,25	7,—	6,60	
37082	**POLYPEHA® Indicator paper pH 1,0—2,8** box of 200 strips	*4815*	1 pack	8,25	7,—	6,60	
37083	**POLYPEHA® Indicator paper pH 1,8—3,8** box of 200 strips	*4815*	1 pack	8,25	7,—	6,60	
37084	**POLYPEHA® Indicator paper pH 2,8—4,6** box of 200 strips	*4815*	1 pack	8,25	7,—	6,60	
37085	**POLYPEHA® Indicator paper pH 3,8—5,5** box of 200 strips	*4815*	1 pack	8,25	7,—	6,60	
37086	**POLYPEHA® Indicator paper pH 5,2—6,8** box of 200 strips	*4815*	1 pack	8,25	7,—	6,60	
37093	**POLYPEHA® Indicator paper pH 6,0—8,1** box of 200 strips	*4815*	1 pack	8,25	7,—	6,60	
37088	**POLYPEHA® Indicator paper pH 7,2—8,8** box of 200 strips	*4815*	1 pack	8,25	7,—	6,60	
37089	**POLYPEHA® Indicator paper pH 8,0—9,7** box of 200 strips	*4815*	1 pack	8,25	7,—	6,60	
37090	**POLYPEHA® Indicator paper pH 9,5—12,0** box of 200 strips	*4815*	1 pack	8,25	7,—	6,60	
37091	**POLYPEHA® Indicator paper pH 10,5—13,0** box of 200 strips	*4815*	1 pack	8,25	7,—	6,60	
37092	**POLYPEHA® Indicator paper pH 12,0—14,0** box of 200 strips	*4815*	1 pack	8,25	7,—	6,60	
	Special indicator and reagent papers *Papiers indicateurs spéciaux et papier réactifs* *Papeles indicadores especial y papeles reactivos*						
37317	**Congo paper DAB6** *Papier Congo / Papel Congo* box of 200 strips	*4815*	1 pack	5,25	4,45	4,20	
37104	**Lead acetate paper** *Papier au plomb acétate / Papel de plomo acetato* 1 packing = 6 booklets of 100 strips each	*4815*	1 pack	13,75	11,70	11,—	1
37131	**Litmus paper blue** roll with about 5 m *Papier au tournesol bleu / Papel de tornasol azul* original container	*4815*	1 pack	22,50	19,15	18,—	1

refer explanations

-Number ADR E/GGVS G-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
5	**Litmus paper blue** *Papier au tournesol bleu / Papel de tornasol azul* 1 packing = 6 booklets of 100 strips each	*4815*	**1 pack**	13,75	11,70	11,—	10,30
4	**Litmus paper neutral** *Papier au tournesol neutre / Papel de tornasol neutro* 1 packing = 6 booklets of 100 strips each	*4815*	**1 pack**	13,75	11,70	11,—	10,30
36	**Litmus paper red** roll with about 5 m *Papier au tournesol rouge / Papel de tornasol rojo* 1 packing = 6 original container	*4815*	**1 pack**	22,50	19,15	18,—	16,90
41	**Litmus paper red** *Papier au tournesol rouge / Papel de tornasol rojo* 1 packing = 6 booklets of 100 strips each	*4815*	**1 pack**	13,75	11,70	11,—	10,30
67	**Phenolphthalein paper DAB 6** roll with about 5 m *Papier à la phenolphtaléine / Papel de fenolftaleína* 1 packing = 6 original container	*4815*	**1 pack**	22,50	19,15	18,—	16,90
20	**Starch-potassium iodide paper** *Papier au potassium iodure amidonné / Papel de almidón y potasio yoduro* 1 packing = 6 booklets of 100 strips each	*4815*	**1 pack**	13,75	11,70	11,—	10,30
18	**Turmeric paper** *Papier au curcuma / Papel de cúrcuma* box of 200 strips	*4815*	**1 pack**	6,50	5,55	5,20	4,90
	Indicator buffer tablets see IDRANAL®						
	Indicator (mixed) RH see AQUANAL®						
	Indicators for metal titrations see appendix						
	Indicators for pH-determination see appendix						
	Indicators for the determination of the redox potential (r_H-determination) and for redox titration see appendix						
	Indicator solutions see appendix						
18	**Indigo** R. G. synthetic (Indigotin) $HNC_6H_4COC=CCOC_6H_4NH$ $C_{16}H_{10}N_2O_2$ $M = 262,27$ g/mol	WG. WG. *3205*	100 g 500 g	20,— 82,50	17,— 70,15	16,— 66,—	15,— 63,55
	Indigoblue see Indigo						
67	**Indigo carmine** R. G. powder (C. I. No. 73015, S. No. 1309) *Carmin d'Indigo / Indigo-Carmina* $COC_6H_3(SO_3Na)NHC=CNHC_6H_3(SO_3Na)CO$ $C_{16}H_8N_2Na_2O_8S_2$ $M = 466,36$ g/mol	WG. WG. *3205*	25 g 100 g	10,75 36,—	9,15 30,60	8,60 28,80	8,05 27,—
86	**Indigo solution** 1 ml ≙ 0,001 g N_2O_5 *Solution de indigo / Solución de indigo* 1 L ≈ 1,04 kg	FL. *3819*	1 L	32,50	27,65	26,—	25,05
17	**Indigo trisulphonate potassium salt** redox indicator, E_0 at pH 7 = -0,07 Volt; rH = 9,5-12 *Indigo trisulfonate sel potassique / Indigo trisulfonato sal potásica* $C_{16}H_7K_3N_2O_{11}S_3$ $M = 616,73$ g/mol	*3205*					
31	**Indium** granulated *Indium / Indio* In $M = 114,82$ g/mol assay 99%	FL. *8104*	10 g	50,50	42,95	40,40	37,90

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62687	**Indium(III) acetylacetonate** PROSYNTH® *Indium(III) acétylacétonate / Indio(III) acetilacetonato* $[CH_3COCH=C(CH_3)O]_3In$ $C_{15}H_{21}InO_6$ $M = 412{,}15$ g/mol assay (ex In) ..... 99% melting range ..... 183–185 °C	WG. *2945*	10 g	35,–	29,75	28,–	26
14787	**Indium(III) bromide** *Indium(III) bromure / Indio(III) bromuro* $InBr_3$ $M = 354{,}53$ g/mol	WG. *2830*	10 g	24,75	21,05	19,80	18
10432 A 6.1/81H C 6.1 2811 2	**Indium(III) chloride** *Indium(III) chlorure / Indio(III) cloruro* $InCl_3$ $M = 221{,}18$ g/mol assay 99%	WG. *2830*	10 g	51,–	43,35	40,80	38
14847 C 5.1 1477 2	**Indium(III) nitrate-5-hydrate** *Indium(III) nitrate-5-hydrate / Indio(III) nitrato-5-hidrato* $In(NO_3)_3 \cdot 5H_2O$ $M = 390{,}91$ g/mol	WG. *2839*	10 g	37,50	31,90	30,–	28
10433	**Indium(III) oxide** *Indium(III) oxyde / Indio(III) óxido* In_2O_3 $M = 277{,}64$ g/mol assay 99%	WG. *2828*	10 g	53,–	45,05	42,40	39
14748	**Indium(III) sulphate-5-hydrate** *Indium(III) sulphate-5-hydrate / Indio(III) sulfato-5-hidrato* $In_2(SO_4)_3 \cdot 5H_2O$ $M = 607{,}91$ g/mol	WG. *2838*	25 g	69,50	59,10	55,60	52
33318	**Indole** R. G. *Indole / Indol* $C_6H_4NHCH=CH$ C_8H_7N $M = 117{,}15$ g/mol assay (ex N) ..... min. 99% melting range ..... 51–53 °C sulphated ash ..... max. 0,05% iron (Fe) ..... max. 0,001%	WG. *2935*	50 g	41,–	34,85	32,80	30
15631	**Indole** cryst., scales *Indole / Indol* $C_6H_4NHCH=CH$ C_8H_7N $M = 117{,}15$ g/mol melting range ..... 51–53 °C sulphated ash 0,05%	WG. *2935*	100 g	55,50	47,20	44,40	41
64643 A 6.1/21A C 6.1 2811 2	**Indole-3-acetonitrile** PROSYNTH® *Indol-3-acétonitrile / Indol-3-acetonitrilo* $C_6H_4NHCH=CCH_2CN$ $C_{10}H_8N_2$ $M = 156{,}19$ g/mol assay (HPLC) ..... 99% melting range ..... 33–36 °C keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 23/24/25 S: 44 disposal: 15	WG. *2927*	10 g	37,25	31,65	29,80	27
64644	**Indole-3-acrylic acid** PROSYNTH® *Acide indolacrylique-3 / Acido 3-indolacrílico* $C_6H_4NHCH=CCH=CHCOOH$ $C_{11}H_9NO_2$ $M = 187{,}20$ g/mol assay (HPLC) ..... 99% melting range ..... 185–190 °C (disint.)	FL. *2935*	1 g	39,25	33,35	31,40	29

refer explanations

Number ADR E/GGVS G-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
3	**Indole-2-carboxylic acid** PROSYNTH® *Acide indolcarboxylique-(2) / Acido indolcarboxílico-(2)* $C_6H_4NHC(COOH)=CH$ $C_9H_7NO_2$ M = 161,16 g/mol assay (alkalimetric) ..... 98% melting range ..... 203–206 °C	WG. *2935*	5 g	41,50	35,30	33,20	31,15
2	**Indole-3-carboxylic acid** PROSYNTH® *Acide indolcarboxylique-(3) / Acido indolcarboxílico-(3)* $C_9H_7NO_2$ M = 161,16 g/mol assay (alkalimetric) 98%	WG. *2935*	5 g	71,50	60,80	57,20	53,65
3	**Indole-5-carboxylic acid** PROSYNTH® *Acide indolcarboxylique-(5) / Acido indolcarboxílico-(5)* $COOHC_6H_3NHCH=CH$ $C_9H_7NO_2$ M = 161,16 g/mol assay 95%	FL. *2935*	1 g	42,75	36,35	34,20	32,05
15	**Indole-3-ethanol** PROSYNTH® *Indol-3-éthanol / Indol-3-etanol* $C_6H_4NHCH=CCH_2CH_2OH$ $C_{10}H_{11}NO$ M = 161,20 g/mol assay (HPLC) ..... 99% melting range ..... 56–58 °C	FL. *2935*	1 g	37,75	32,10	30,20	28,30
46	**Indole-3-hydrogen sulphate potassium salt** PROSYNTH® *Indol-3-hydrogénosulfate sel potassique / Indol-3-hidrógeno-sulfato sal potasica* $C_6H_4NHCH=COSO_3K$ $C_8H_6KNO_4S$ M = 251,30 g/mol assay (HPLC) 98%	FL. *2935*	1 g	107,50	91,40	86,–	80,65
39	**Indoline** PROSYNTH® *Indoline / Indolina* $C_6H_4NHCH_2CH_2$ C_8H_9N M = 119,17 g/mol **1 L ≈ 1,06 kg** assay (GC) ..... 98% boiling range ..... 219–221 °C refractive index (n_D^{20}) 1,591	FL. *2935*	25 ml	30,25	25,70	24,20	22,70
74	**Indolyl-3-acetate** BIOSYNTH® *Indolyle-3-acétate / Indolilo-3-acetato* $C_6H_4NHCH=COCOCH_3$ $C_{10}H_9NO_2$ M = 175,19 g/mol	FL. *2935*	1 g	25,25	21,45	20,20	18,95
00	**3-Indolyl acetate** PROSYNTH® *3-Indolyle acétate / 3-Indolilo acetato* $C_6H_4NHCH=COCOCH_3$ $C_{10}H_9NO_2$ M = 175,19 g/mol assay (GC) ..... 98% melting range ..... 127–129 °C	WG. *2935*	5 g	96,–	81,60	76,80	72,–
03	**Indolyl-3-acetic acid** min. 99% PESTANAL® $C_6H_4NHCH=CCH_2COOH$ $C_{10}H_9NO_2$ M = 175,19 g/mol	FL. *2935*	1 g	36,–	30,60	28,80	27,–
06	**Indolyl-3-acetic acid** PROSYNTH® *Acide indolyle-3-acétique / Acido indolilo-3-acético* $C_6H_4NHCH=CCH_2COOH$ $C_{10}H_9NO_2$ M = 175,19 g/mol assay (alkalimetric) ..... 98% melting range ..... 165–167 °C (disint.)	FL. *2935*	1 g	10,50	8,95	8,40	7,90
02	**4-(3-Indolyl)-butyric acid** min. 99% PESTANAL® $C_6H_4NHCH=C(CH_2)_3COOH$ $C_{12}H_{13}NO_2$ M = 203,24 g/mol	FL. *2935*	1 g	36,–	30,60	28,80	27,–

PANPEHA® universal indicator paper in strips

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	9 (16 Bo
63566	**4-(3-Indolyl)-butyric acid** PROSYNTH® *Acide (indolyle-3)-4-butyrique / Acido 4-(3-indolilo)butírico* $C_6H_4NHCH=C(CH_2)_3COOH$ $C_{12}H_{13}NO_2$ M = 203,24 g/mol assay (alkalimetric) ..... 99% melting range ..... 123–125 °C	WG. *2935*	10 g	47,–	39,95	37,60	35,
62690	**3-(3-Indolyl)-propionic acid** PROSYNTH® *Acide (indolyle-3)-3-propionique / Acido 3-(3-indolilo)-propiónico* $C_6H_4NHCH=CCH_2CH_2COOH$ $C_{11}H_{11}NO_2$ M = 189,21 g/mol assay (alkalimetric) ..... 98% melting range ..... 132–134 °C	WG. *2935*	5 g	22,25	18,90	17,80	16,
	Infusorial earth see Kieselguhr						
01711 A 8/6D C 8 1760 2	**Ink for glass etching** *Encre à écrire sur le verre / Tinta para escribir en vidrio* plastic bottle of 250 g R: 26/27/28-35 S: 7/9-26-36/37-45 disposal: 27	*3213*	1 pack	17,–	14,45	13,60	12,
39200	**Inosine** BIOSYNTH® *Inosine / Inosina* $C_{10}H_{12}N_4O_5$ M = 268,23 g/mol assay (UV) ..... 98% log $\varepsilon_{248,5}$ (H_2O, pH 6) 4,0776	WG. *2935*	5 g	13,25	11,25	10,60	9,
39217	**Inosine-5'-diphosphate trisodium salt** BIOSYNTH® *Inosine-5'-diphosphate sel trisodique / Inosina-5'-difosfato sal trisódica* $C_{10}H_{11}N_4Na_3O_{11}P_2$ M = 494,13 g/mol bottle of 100 mg assay (ex P) ..... 96% keep in a deep freezer (–18 °C) à stocker au congélateur (–18 °C) almacenaje en la nevera (–18 °C)	*2935*	1 pack	263,–	223,55	210,40	197,
39413	**Inosine-5'-phosphoric acid disodium salt** BIOSYNTH® *Inosine-5'-acide phosphorique, sel disodique / Inosina-5'-ácido fosfórico, sal disódica* $C_{10}H_{11}N_4Na_2O_8P \cdot 8H_2O$ M = 536,29 g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	FL. *2935*	1 g	17,–	14,45	13,60	12,
39148	*meso*-**Inositol** BIOSYNTH® *méso-Inositol / meso-Inosita* $HOCH(CHOH)_4CHOH$ $C_6H_{12}O_6$ M = 180,16 g/mol melting range ..... 224–226 °C	PF. *2904*	50 g	24,–	20,40	19,20	18,
	Insecticides see appendix PESTANAL®						
33750	**INT** [2-(p-Iodophenyl)-3-(p-nitrophenyl)-5-phenyltetrazolium chloride] $C_6H_5C=NN(C_6H_4J)N(Cl)(C_6H_4NO_2)=N$ $C_{19}H_{13}ClJN_5O_2$ M = 505,70 g/mol	FL. WG. *2930*	1 g 5 g	18,– 75,50	15,30 64,20	14,40 60,40	13, 56,
39149	**Inulin** BIOSYNTH® *Inuline / Inulina* M = ca. 5000 g/mol melting range ..... 180–185 °C specific rotation ($[\alpha]_D^{20}$; c = 10 in H_2O) ..... –38° ±2°	PF. *1108*	100 g	151,–	128,35	120,80	113,

refer explanations

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08 1479 2	**Iodic acid** R. G., Reag. Ph. Eur. I *Acide iodique / Acido yódico* HJO_3 M = 175,91 g/mol assay ..... min. 99,5% sulphated ash ..... max. 0,01% iron (Fe) ..... max. 0,001% heavy metals (as Pb) ..... max. 0,0005% chloride and bromide (as Cl) ..... max. 0,01% iodide (I) ..... max. 0,0005% sulphate (SO_4) ..... max. 0,01%	WG. 2813	100 g	31,—	26,35	24,80	23,25
	Iodic acid anhydride see Iodine pentoxide						
05	**Iodine** R. G., Reag. ACS, Reag. Ph. Eur. I *Iode / Yodo* J_2 M = 253,81 g/mol assay ..... min. 99,5% non-volatile matter ..... max. 0,01% bromide and chloride (as Cl) ..... max. 0,005% sulphate (SO_4) ..... max. 0,01% R: 20/21 S: 23-25 disposal: 16	WG. WG. WG. WG. FTP. 2801	100 g 250 g 500 g 1 kg 50 kg	20,75 47,— 84,50 155,— price on request	17,65 39,95 71,85 131,75	16,60 37,60 67,60 124,—	15,55 35,25 65,05 119,35
02	**Iodine** Ph. Eur. I, B. P. 1973, Ph. Franç. IX, U. S. P. XIX *Iode / Yodo* J_2 M = 253,81 g/mol assay ..... 99,8% non-volatile matter ..... 0,03% bromide and chloride (as Cl) ..... 0,01% sulphate (SO_4) ..... 0,005% R: 20/21 S: 23-25 disposal: 16	WG. WG. WG. WG. FTP. 2801	100 g 500 g 1 kg 5 kg 50 kg	13,75 53,50 98,50 418,— price on request	11,70 45,50 83,75 346,95	11,— 42,80 78,80 326,05	10,30 41,20 75,85 313,50
065	**0,005 mol Iodine** FIXANAL® 0,3567 g KIO_3 + 3,6 g KI for 1 L 0,01 N solution *0,005 mol Iode / 0,005 mol Yodo* ampoule	3819	1 pack	12,75	10,85	10,20	9,55
062	$^1/_{64}$ **mol Iodine** FIXANAL® (Iodate) 1,14 g KJO_3 + 11,1 g KJ for 1 L $^1/_{32}$ N solution, for iron-works laboratories *$^1/_{64}$ mol Iode / $^1/_{64}$ mol Yodo* ampoule	3819	1 pack	11,25	9,55	9,—	8,45
064	$^1/_{128}$ **mol Iodine** FIXANAL® (Iodate-iodide) 0,5573 g KIO_3 + 5,6 g KI 1 L $^1/_{64}$ N solution *$^1/_{128}$ mol Iode / $^1/_{128}$ mol Yodo* ampoule	3819	1 pack	9,—	7,65	7,20	6,75
060	**0,05 mol Iodine** FIXANAL® 12,690 g J_2 + 20 g KJ for 1 L 0,1 N solution *0,05 mol Iode / 0,05 mol Yodo* ampoule R: 22 S: 24/25	3819	1 pack	12,25	10,40	9,80	9,20
061	**0,05 mol Iodine** FIXANAL® (Iodate) 3,5667 g KJ_3 + 35,6 g KJ for 1 L 0,1 N solution *0,05 mol Iode / 0,05 mol Yodo* ampoule	3819	1 pack	12,25	10,40	9,80	9,20
090	**Iodine solution 0,05 mol I_2/l** 0,1 N volumetric solution Ph. Eur. I *Iode en solution 0,05 mol I_2/l /* *Yodo en solución 0,05 mol I_2/l* 1 L ≈ 1,02 kg	FL. 3819	1 L	17,75	15,10	14,20	13,65

PEHANAL® universal indicator paper in rolls

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*		Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	
35071 A 8/21C C 3.3 1842 2 +40 °C	**Iodine solution acc. to Wijs 0,1 mol ICl/l** 0,2 N volumetric solution *Iode en solution selon Wijs 0,1 mol ICl/l / Solución de yodo según Wijs 0,1 mol ICl/l* **1 L ≈ 1,06 kg** R: 34 S: 2-23-26 disposal: 16		FL. FL. *3819*	500 ml 1 L	18,— 32,75	15,30 27,85	14,40 26,20	13 25
35097 A 8/21C C 3.3 1842 2 +40 °C	**Iodine solution acc. to Hanus 0,1 mol IBr/l** 0,2 N volumetric solution *Iode en solution selon Hanus 0,1 mol IJBr/l / Solución de yodo según Hanus 0,1 mol IBr/l* **1 L ≈ 1,06 kg** R: 34 S: 2-23-26 disposal: 16		FL. FL. *3819*	500 ml 1 L	19,25 35,50	16,35 30,20	15,40 28,40	14 27
35089	**Iodine solution 0,5 mol I_2/l** 1 N volumetric solution *Iode en solution 0,5 mol I_2/l / Yodo en solución 0,5 mol I_2/l* **1 L ≈ 1,26 kg**		FL. FL. *3819*	500 ml 1 L	29,75 55,50	25,30 47,20	23,80 44,40	22 42
	Iodine bromide see Iodine monobromide							
	Iodine chloride see Iodine monochloride							
03111 A 8/11 C 8 1759 2	**Iodine monobromide** *Iode monobromure / Yodo monobromuro* JBr M = 206,81 g/mol R: 34 S: 26 disposal: 11	bottle of 100 g	*2814*	1 pack	43,25	36,75	34,60	32
03116 A 8/11 C 8 1792 2	**Iodine monochloride** *Iode monochlorure / Yodo monocloruro* JCl M = 162,36 g/mol R: 34 S: 26 disposal: 11	bottle of 100 g	*2814*	1 pack	31,75	27,—	25,40	23
	Iodine(V) oxide see Iodine pentoxide							
30306 A 5.1 C 5.1 1479 2	**Iodine pentoxide** granular for flue-gas analysis *Iode pentoxyde / Yodo pentóxido* J_2O_5 M = 333,81 g/mol assay (iodometric) ..... min. 99% loss on drying (200 °C) ..... max. 1% sulphated ash ..... max. 0,02% iron (Fe) ..... max. 0,001% heavy metals (as Pb) ..... max. 0,001%		WG. WG. *2813*	25 g 100 g	16,50 56,—	14,05 47,60	13,20 44,80	12 42
32922	**Iodine potassium iodide solution** according to Lugol for microscopy *Iode-potassium iodure en solution / Yodo y potasio yoduro en solución* **1 L ≈ 1,00 kg**		FL. FL. *3819*	250 ml 1 L	9,50 23,75	8,10 20,20	7,60 19,—	7 18
	Iodine-sulphur dioxide-pyridine-solution see Fischer reagent							
03117 A 8/11 C 8 1759 2	**Iodine trichloride** *Iode trichlorure / Yodo tricloruro* JCl_3 M = 233,26 g/mol assay (jodometric) 97%	bottle of 100 g	*2814*	1 pack	32,75	27,85	26,20	24

refer explanations

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99	**Iodoacetamide** PROSYNTH® *Iodoacétamide / Yodoacetamida* JCH_2CONH_2 C_2H_4JNO M = 184,96 g/mol assay (ex N) ..... 98 % melting range ..... 92 – 94 °C keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	WG. *2925*	100 g	46,75	39,75	37,40	35,05
94 21A1 1760 2	**Iodoacetic acid** BIOSYNTH® *Acide iodoacétique / Acido yodoacético* JCH_2COOH $C_2H_3JO_2$ M = 185,95 g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 26/27/28-35 S: 22-36/37/39-45 disposal: 21	WG. *2914*	25 g	30,25	25,70	24,20	22,70
707 21A1 1760 2	**Iodoacetic acid** PROSYNTH® *Acide iodoacétique / Acido yodoacético* JCH_2COOH $C_2H_3JO_2$ M = 185,95 g/mol assay (alkalimetric) ..... 98 % melting range ..... 80 – 82 °C keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 26/27/28-35 S: 22-36/37/39-45 disposal: 21	WG. *2914*	100 g	70,50	59,95	56,40	52,90
	Iodoacetic acid amide see Iodoacetamide						
708	**Iodoacetic acid sodium salt** PROSYNTH® *Acide iodoacétique sel sodique / Acido yodoacético sal sódica* JCH_2COONa $C_2H_2JNaO_2$ M = 207,93 g/mol assay ..... 98 % R: 26/27/28-35 S: 22-36/37/39-45 disposal: 21	WG. *2914*	25 g	27,—	22,95	21,60	20,25
701 .1/21E .1 2811 2	**2-Iodoaniline** PROSYNTH® *2-Iodoaniline / 2-Yodoanilina* $JC_6H_4NH_2$ C_6H_6JN M = 219,02 g/mol assay (GC) ..... 98 % melting range ..... 56 – 58 °C R: 23/24/25-33 S: 28-36/37-44 disposal: 7	WG. *2922*	10 g	51,—	43,35	40,80	38,25
702 .1/21E .1 2810 2	**3-Iodoaniline** PROSYNTH® *3-Iodoaniline / 3-Yodoanilina* $JC_6H_4NH_2$ C_6H_6JN M = 219,02 g/mol 1 L ≈ 1,90 kg assay (GC) ..... 98 % melting range ..... 25 – 27 °C R: 23/24/25-33 S: 28-36/37-44 disposal: 7	FL. *2922*	50 g	121,—	102,85	96,80	90,75

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	9 (16 B
62703 A 6.1/21E C 6.1 2811 2	**4-Iodoaniline** PROSYNTH® *4-Iodoaniline / 4-Yodoanilina* $JC_6H_4NH_2$ C_6H_6JN $M = 219{,}02$ g/mol assay (GC) ..... 98% melting range ..... 61–63 °C R: 23/24/25-33 S: 28-36/37-44 disposal: 7	WG. *2922*	50 g	29,50	25,10	23,60	22
63864	**2-Iodoanisole** PROSYNTH® *2-Iodoanisole / 2-Yodoanisol* $JC_6H_4OCH_3$ C_7H_7JO $M = 234{,}04$ g/mol 1 L ≈ 1,80 kg assay (GC) ..... 99% boiling range (at 973 mbar) ..... 239–241 °C refractive index (n_D^{20}) 1,622	FL. *2908*	25 ml	35,–	29,75	28,–	26,
63865	**3-Iodoanisole** PROSYNTH® *3-Iodoanisole / 3-Yodoanisol* $JC_6H_4OCH_3$ C_7H_7JO $M = 234{,}04$ g/mol 1 L ≈ 1,78 kg assay (GC) ..... 98% boiling range ..... 243–245 °C	FL. *2908*	5 ml	20,–	17,–	16,–	15,
62704	**4-Iodoanisole** PROSYNTH® *4-Iodoanisole / 4-Yodoanisol* $JC_6H_4OCH_3$ C_7H_7JO $M = 234{,}04$ g/mol assay (GC) ..... 99% melting range ..... 49–51 °C	WG. *2908*	25 g	46,–	39,10	36,80	34,
62706 A 3/4 +77 °C	**Iodobenzene** PROSYNTH® *Iodobenzène / Yodobenceno* C_6H_5J $M = 204{,}01$ g/mol 1 L ≈ 1,83 kg assay (GC) 99%	FL. *2902*	100 ml	62,50	53,15	50,–	46,
39391 A 8/22 C 8 1759 2	**4-Iodobenzenesulphonyl chloride** BIOSYNTH® *Iodo-4-benzènesulfonyle chlorure /* *4-Yodobencenosulfonilo cloruro* $JC_6H_4SO_2Cl$ $C_6H_4ClJO_2S$ $M = 302{,}52$ g/mol	FL. *2903*	5 g	38,–	32,30	30,40	28,
62705	**2-Iodobenzoic acid** PROSYNTH® *Acide 2-iodobenzoïque / Acido 2-yodobenzóico* JC_6H_4COOH $C_7H_5JO_2$ $M = 248{,}02$ g/mol assay (alkalimetric) ..... 98% melting range ..... 160–162 °C	PF. *2914*	100 g	129,–	109,65	103,20	96,
63866	**3-Iodobenzoic acid** PROSYNTH® *Acide 3-iodobenzoïque / Acido 3-yodobenzóico* JC_6H_4COOH $C_7H_5JO_2$ $M = 248{,}02$ g/mol assay (alkalimetric) ..... 98% melting range ..... 185–187 °C	WG. *2914*	10 g	35,50	30,20	28,40	26,
63867	**4-Iodobenzoic acid** PROSYNTH® *Acide 4-iodobenzoïque / Acido 4-yodobenzóico* JC_6H_4COOH $C_7H_5JO_2$ $M = 248{,}02$ g/mol assay (alkalimetric) ..... 99% melting range ..... 269–271 °C	WG. *2914*	10 g	28,50	24,25	22,80	21,

refer explanations

Number ADR E/GGVS G-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (10 Boxes)
5	**1-Iodobutane** PROSYNTH® *1-Iodobutane / 1-Yodobutano* 993 2 $CH_3(CH_2)_3J$ C_4H_9J $M = 184{,}02$ g/mol **1 L ≈ 1,61 kg** assay (GC) ..... 98% boiling range ..... 129–131 °C refractive index (n_D^{20}) ..... 1,498 R: 11 S: 9-16-29 disposal: 7	FL. *2902*	250 ml	64,50	54,85	51,60	48,40
6	**2-Iodobutane** PROSYNTH® *2-Iodobutane / 2-Yodobutano* 2390 2 $CH_3CH_2CHJCH_3$ C C_4H_9J $M = 184{,}02$ g/mol **1 L ≈ 1,60 kg** assay (GC) ..... 98% boiling range ..... 116–118 °C refractive index (n_D^{20}) ..... 1,499 R: 11 S: 9-16-29 disposal: 7	FL. *2902*	100 ml	53,–	45,05	42,40	39,75
	7-Iodo-5-chloro-8-hydroxyquinoline see 5-Chloro-7-iodo-8-hydroxyquinoline						
37	**Iodocyane** PROSYNTH® *Iodocyane / Yodociano* /31A 1588 2 JCN $M = 152{,}92$ g/mol assay ..... 97% melting range ..... 145–149 °C R: 23/24/25 S: 44 disposal: 22	WG. *2843*	10 g	44,75	38,05	35,80	33,55
52	**Iodocyclohexane** PROSYNTH® *Iodocyclohexane / Yodociclohexano* °C $CH_2(CH_2)_4CHJ$ $C_6H_{11}J$ $M = 210{,}06$ g/mol **1 L ≈ 1,63 kg** assay (GC) ..... 99% boiling range (at 13 mbar) ..... 68–70 °C refractive index (n_D^{20}) ..... 1,548 keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	FL. *2902*	100 ml	71,–	60,35	56,80	53,25
67	**1-Iododecane** PROSYNTH® *1-Iododécane / 1-Yododecano* $CH_3(CH_2)_9J$ $C_{10}H_{21}J$ $M = 268{,}18$ g/mol **1 L ≈ 1,25 kg** assay (GC) ..... 98% boiling range (at 20 mbar) ..... 130–132 °C refractive index (n_D^{20}) 1,486	FL. *2902*	100 ml	20,–	17,–	16,–	15,–
93	**5-Iodo-2'-deoxyuridine** BIOSYNTH® *5-Iodo-2'-désoxyuridine / 5-Yodo-2'-desoxiuridina* package of 250 mg $C_9H_{11}JN_2O_5$ $M = 354{,}10$ g/mol	*2935*	1 pack	32,75	27,85	26,20	24,55
02	**Iodoethane** for the separation of mineral compounds *Iodoéthane / Yodoetano* 1/61A 3 1993 2 C_2H_5J $M = 155{,}97$ g/mol **1 L ≈ 1,92 kg** °C boiling range ..... 71–72 °C density (D_4^{20}) ..... 1,92–1,93 R: 20/21/22 S: 28 disposal: 7	FL. *2902*	100 ml	23,–	19,55	18,40	17,25

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
60194 A 6.1/61A C 3.3 1993 2 +32 °C	**Iodoethane** PROSYNTH® *Iodoéthane / Yodoetano* C_2H_5J *M* = 155,97 g/mol **1 L ≈ 1,92 kg** assay (GC) ..... 99 % boiling range ..... 71–72 °C refractive index (n_D^{20}) ..... 1,513 R: 20/21/22 S: 28 disposal: 7	FL. *2902*	250 ml	46,–	39,10	36,80	34,5
03801 A 6.1/61A C 3.3 1993 2 +32 °C	**Iodoethane** 99–100 % Erg. B. 6 with silver foil stabilized *Iodoéthane / Yodoetano* C_2H_5J *M* = 155,97 g/mol **1 L ≈ 1,92 kg** assay (GC) ..... 99 % boiling range ..... 71–72 °C density (D_4^{20}) ..... 1,92–1,93 refractive index (n_D^{20}) ..... 1,5100–1,5130 non-volatile matter ..... 0,01 % R: 20/21/22 S: 28 disposal: 7	FL. FL. TS. *2902*	250 ml 1 L 40 kg	45,50 151,– price on request	38,70 128,35	36,40 120,80	34,1 116,2
62700	**2-Iodoethanol** PROSYNTH® *2-Iodoéthanol / 2-Yodoetanol* H_2JCCH_2OH C_2H_5JO *M* = 171,97 g/mol **1 L ≈ 2,10 kg** assay (GC) ..... 92 %	FL. *2904*	100 ml	212,–	180,20	169,60	159,–
63499 A 3/4 +76 °C	**1-Iodoheptane** PROSYNTH® *1-Iodoheptane / 1-Yodoheptano* $CH_3(CH_2)_6J$ $C_7H_{15}J$ *M* = 226,10 g/mol **1 L ≈ 1,37 kg** assay (GC) ..... 98 % boiling range ..... 203–205 °C refractive index (n_D^{20}) 1,490	FL. *2902*	100 ml	35,–	29,75	28,–	26,2
60379	**1-Iodohexadecane** PROSYNTH® *1-Iodohexadécane / 1-Yodohexadecano* $CH_3(CH_2)_{15}J$ $C_{16}H_{33}J$ *M* = 352,34 g/mol	FL. *2902*	100 ml	56,50	48,05	45,20	42,4
60197 A 3/4 +67 °C	**1-Iodohexane** PROSYNTH® *1-Iodohexane / 1-Yodohexano* $CH_3(CH_2)_5J$ $C_6H_{13}J$ *M* = 212,07 g/mol **1 L ≈ 1,44 kg** assay (GC) ..... 98 % boiling range (at 13 mbar) ..... 63–65 °C refractive index (n_D^{20}) 1,492	FL. *2902*	100 ml	42,25	35,90	33,80	31,7
	4-Iodo-1-hydroxybenzene see 4-Iodophenol						
32503	**7-Iodo-8-hydroxyquinoline-5-sulphonic acid** R. G. *Acide 7-iode-8-hydroxyquinoléine-5-sulfonique / Acido 7-yodo-8-hidroxiquinolino-5-sulfónico* $JC_6H(OH)(SO_3H)CH=CHCH=N$ $C_9H_6JNO_4S$ *M* = 351,12 g/mol	WG. WG. *2935*	25 g 100 g	8,75 25,25	7,45 21,45	7,– 20,20	6,5 18,9
22012	**7-Iodo-8-hydroxyquinoline-5-sulphonic acid** *Acide 7-iode-8-hydroxyquinoléine-5-sulfonique / Acido 7-yodo-8-hidroxiquinolino-5-sulfónico* $JC_6H(OH)(SO_3H)CH=CHCH=N$ $C_9H_6JNO_4S$ *M* = 351,12 g/mol	PF. FTP *2935*	1 kg 50 kg	111,50 price on request	94,80	89,20	85,8
	7-Iodo-8-hydroxyquinoline-5-sulphonic acid, sodium salt see Chiniofon-sodium						

refer explanations

Number ADR E/GGVS S-CODE (GGVSee)	Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
Iodomethane PROSYNTH® (Methyl iodide) *Iodométhane / Yodometano* 2 3810 2 CH_3J $M = 141{,}94$ g/mol **1 L ≈ 2,28 kg** assay (GC) ..... 99% boiling range ..... 41—43 °C refractive index (n_D^{20}) ..... 1,530 R: 23/24/25-34 S: 26-44 disposal: 13	FL. *2902*	250 ml	70,50	59,95	56,40	52,90
Iodomethane with silver foil stabilized *Iodométhane / Yodometano* 0 12 2810 2 CH_3J $M = 141{,}94$ g/mol **1 L ≈ 2,26 kg** boiling range ..... 41,5—43,0 °C R: 23/24/25-34 S: 26-44 disposal: 13	FL. FL. TS. *2902*	100 ml 1 L 40 kg	31,— 235,— price on request	26,35 199,75	24,80 188,—	23,25 180,95
Iodomethane-D_3 see Trideuteromethyl iodide						
Iodomethoxybenzene see Iodoanisole						
9 **1-Iodo-3-methylbutane** PROSYNTH® *1-Iodo-3-méthylbutane / 1-Yodo-3-metilbutano* 1993 2 C $(CH_3)_2CHCH_2CH_2J$ $C_5H_{11}J$ $M = 198{,}05$ g/mol **1 L ≈ 1,48 kg** assay (GC) ..... 98% boiling range ..... 146—148 °C refractive index (n_D^{20}) ..... 1,494 R: 10 disposal: 7	FL. *2902*	100 ml	50,50	42,95	40,40	37,90
19 **1-Iodo-2-methylpropane** PROSYNTH® A *1-Iodo-2-méthylpropane / 1-Yodo-2-metilpropano* 2391 2 C $(CH_3)_2CHCH_2J$ C_4H_9J $M = 184{,}02$ g/mol **1 L ≈ 1,60 kg** assay (GC) ..... 97% boiling range ..... 118—120 °C refractive index (n_D^{20}) ..... 1,495 R: 11 S: 9-16-33 disposal: 7	FL. *2902*	100 ml	47,50	40,40	38,—	35,65
00 **2-Iodo-2-methylpropane** PROSYNTH® A *2-Iodo-2-méthylpropane / 2-Yodo-2-metilpropano* 2391 2 $(CH_3)_3CJ$ C_4H_9J $M = 184{,}02$ g/mol **1 L ≈ 1,55 kg** assay (GC) ..... 97% boiling range (at 40 mbar) ..... 20—22 °C refractive index (n_D^{20}) ..... 1,491 R: 11 S: 9-16-33 disposal: 7	FL. *2902*	100 ml	70,—	59,50	56,—	52,50
69 **1-Iodonaphthalene** PROSYNTH® *1-Iodonaphtalène / 1-Yodonaftaleno* $C_{10}H_7J$ $M = 254{,}07$ g/mol **1 L ≈ 1,75 kg** assay (GC) ..... 99% boiling range ..... 300—302 °C refractive index (n_D^{20}) 1,702	FL. *2902*	25 ml	36,—	30,60	28,80	27,—
85 **2-Iodonitrobenzene** PROSYNTH® 1/21K *2-Iodonitrobenzène / 2-Yodonitrobenceno* 1 2811 2 $C_6H_4JNO_2$ $M = 249{,}01$ g/mol assay (GC) ..... 97% melting range ..... 50—52 °C R: 23/24/25-33 S: 28-37-44 disposal: 20	WG. *2903*	25 g	18,75	15,95	15,—	14,05

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96 (16 Bo
63570 A 6.1/21K C 6.1 2810 2	**3-Iodonitrobenzene** PROSYNTH® *3-Iodonitrobenzène / 3-Yodonitrobenceno* $C_6H_4JNO_2$ *M* = 249,01 g/mol assay (GC) ..... 97 % melting range ..... 36 – 38 °C R: 23/24/25-33 S: 28-37-44 disposal: 20	FL. *2903*	25 g	22,–	18,70	17,60	16,
63571 A 6.1/21K C 6.1 2811 2	**4-Iodonitrobenzene** PROSYNTH® *4-Iodonitrobenzène / 4-Yodonitrobenceno* $C_6H_4JNO_2$ *M* = 249,01 g/mol assay (GC) ..... 97 % melting range ..... 171 – 173 °C R: 23/24/25-33 S: 28-37-44 disposal: 20	WG. *2903*	25 g	29,–	24,65	23,20	21,
	Iodonitromethylbenzene see Iodonitrotoluene						
64086 A 6.1/21L C 6.1 2811 2	**2-Iodo-4-nitrotoluene** PROSYNTH® *2-Iodo-4-nitrotoluène / 2-Yodo-4-nitrotolueno* $JC_6H_3(NO_2)CH_3$ $C_7H_6JNO_2$ *M* = 263,03 g/mol assay (GC) ..... 99 % melting range ..... 52 – 54 °C R: 23/24/25-33 S: 28-37-44 disposal: 20	WG. *2903*	25 g	39,25	33,35	31,40	29,
64087 A 6.1/21L C 6.1 2811 2	**2-Iodo-5-nitrotoluene** PROSYNTH® *2-Iodo-5-nitrotoluène / 2-Yodo-5-nitrotolueno* $JC_6H_3(NO_2)CH_3$ $C_7H_6JNO_2$ *M* = 263,03 g/mol assay (GC) ..... 98 % melting range ..... 99 – 101 °C R: 23/24/25-33 S: 28-37-44 disposal: 20	WG. *2903*	25 g	30,75	26,15	24,60	23,
64088 A 6.1/21L C 6.1 2811 2	**4-Iodo-2-nitrotoluene** PROSYNTH® *4-Iodo-2-nitrotoluène / 4-Yodo-2-nitrotolueno* $JC_6H_3(NO_2)CH_3$ $C_7H_6JNO_2$ *M* = 263,03 g/mol assay (GC) ..... 99 % melting range ..... 100 – 103 °C R: 23/24/25-33 S: 28-37-44 disposal: 20	WG. *2903*	25 g	30,75	26,15	24,60	23,
64143	**Iodononane** PROSYNTH® *Iodononane / Yodononano* $CH_3(CH_2)_8J$ $C_9H_{19}J$ *M* = 254,16 g/mol **1 L ≈ 1,29 kg** assay (GC) ..... 95 % boiling range (at 11 mbar) ..... 105 – 107 °C refractive index (n_D^{20}) 1,490	FL. *2902*	100 ml	67,50	57,40	54,–	50,
64119	**1-Iodooctadecane** PROSYNTH® *1-Iodooctadécane / 1-Yodooctadecano* $CH_3(CH_2)_{17}J$ $C_{18}H_{37}J$ *M* = 380,39 g/mol assay (ex I) ..... 97 % melting range ..... 33 – 35 °C	WG. *2902*	25 g	30,75	26,15	24,60	23,
60201 A 3/4 +87 °C	**1-Iodooctane** PROSYNTH® *1-Iodooctane / 1-Yodooctano* $CH_3(CH_2)_7J$ $C_8H_{17}J$ *M* = 240,13 g/mol **1 L ≈ 1,33 kg** assay (GC) ..... 98 % boiling range ..... 224 – 226 °C refractive index (n_D^{20}) 1,488	FL. *2902*	100 ml	42,25	35,90	33,80	31

mber R GVS ODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	1-Iodopentane PROSYNTH® *1-Iodopentane / 1-Yodopentano* $CH_3(CH_2)_4J$ $C_5H_{11}J$ $M = 198{,}05$ g/mol **1 L ≈ 1,51 kg** assay (GC) ..... 98% boiling range ..... 154–156 °C refractive index (n_D^{20}) ..... 1,495 R: 10 disposal: 7	FL. *2902*	100 ml	43,–	36,55	34,40	32,25
3 2	**2-Iodopentane** PROSYNTH® *2-Iodopentane / 2-Yodopentano* $CH_3CH(J)(CH_2)_2CH_3$ $C_5H_{11}J$ $M = 198{,}05$ g/mol **1 L ≈ 1,51 kg** assay (GC) ..... 90% R: 11 S: 9-16-33 disposal: 7	FL. *2902*	100 ml	43,–	36,55	34,40	32,25
C 11 3	**4-Iodophenol** PROSYNTH® *4-Iodophénol / 4-Yodofenol* JC_6H_4OH C_6H_5JO $M = 220{,}01$ g/mol assay (UV) ..... 90% melting range ..... 87–90°C log ε_{283} (C_2H_5OH) ..... 3,186 R: 20/21/22 S: 2-28 disposal: 7	WG. *2907*	10 g	42,–	35,70	33,60	31,50
	2-(p-Iodophenyl)-3-(p-nitro- phenyl)-5-phenyl- tetrazolium chloride see INT						
92 2	**1-Iodopropane** PROSYNTH® *1-Iodopropane / 1-Yodopropano* $CH_3(CH_2)_2J$ C_3H_7J $M = 169{,}99$ g/mol **1 L ≈ 1,74 kg** assay (GC) ..... 98% boiling range ..... 100–102 °C refractive index (n_D^{20}) 1,505	FL. *2902*	250 ml	77,–	65,45	61,60	57,75
92 2	**2-Iodopropane** PROSYNTH® *2-Iodopropane / 2-Yodopropano* CH_3CHJCH_3 C_3H_7J $M = 169{,}99$ g/mol **1 L ≈ 1,70 kg** assay (GC) ..... 98% boiling range ..... 88–90 °C refractive index (n_D^{20}) 1,499	FL. *2902*	100 ml	33,–	28,05	26,40	24,75
	N-Iodosuccinimide PROSYNTH® *N-Iodosuccinimide / N-Yodosuccinimida* $COCH_2CH_2CONJ$ $C_4H_4JNO_2$ $M = 224{,}99$ g/mol assay (iodometrisch) ..... 98% melting range ..... 196–200 °C keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	WG. *2926*	10 g	64,50	54,85	51,60	48,40
2B 310 3	**2-Iodothiophene** PROSYNTH® *2-Iodothiophène / 2-Yodotiofeno* $SCH=CHCH=CJ$ C_4H_3JS $M = 210{,}04$ g/mol **1 L ≈ 2,07 kg** assay (GC) ..... 98% boiling range ..... 180–182 °C refractive index (n_D^{20}) 1,651	FL. *2935*	25 ml	70,–	59,50	56,–	52,50

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	
63574 A 3/4 +82 °C	**2-Iodotoluene** PROSYNTH® *2-Iodotoluène / 2-Yodotolueno* $CH_3C_6H_4J$ C_7H_7J $M = 218{,}04$ g/mol **1 L ≈ 1,71 kg** assay (GC) ..... 98 % boiling range ..... 210—212 °C refractive index (n_D^{20}) 1,607	FL. *2902*	50 ml	47,75	40,60	38,20	3
63575 A 3/4 +82 °C	**3-Iodotoluene** PROSYNTH® *3-Iodotoluène / 3-Yodotolueno* $CH_3C_6H_4J$ C_7H_7J $M = 218{,}04$ g/mol **1 L ≈ 1,70 kg** assay (GC) ..... 98 % boiling range ..... 211—213 °C refractive index (n_D^{20}) 1,604	FL. *2902*	50 ml	52,50	44,65	42,—	3
63576 A 3/4 +82 °C	**4-Iodotoluene** PROSYNTH® *4-Iodotoluène / 4-Yodotolueno* $CH_3C_6H_4J$ C_7H_7J $M = 218{,}04$ g/mol **1 L ≈ 1,68 kg** assay (GC) ..... 99 % melting range ..... 35—37 °C	FL. *2902*	25 g	20,50	17,45	16,40	1
39089	**3-Iodo-L-tyrosine** BIOSYNTH® *3-Iodo-L-tyrosine / 3-Yodo-L-tirosina* $HOC_6H_3JCH_2CH(NH_2)COOH$ $C_9H_{10}JNO_3$ $M = 307{,}09$ g/mol assay (ex N) ..... 98 % melting range ..... 204—207 °C (disint.) keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	FL. *2923*	1 g	23,—	19,55	18,40	1
39396	**5-Iodouridine** BIOSYNTH® *5-Iodouridine / 5-Yodouridina* package of 100 mg $C_9H_{11}JN_2O_6$ $M = 370{,}10$ g/mol	*2935*	1 pack	21,75	18,50	17,40	1

Because of their registrations the ion exchangers "Permutit®" are sold in some countries under the names of Orzelith®

Ion exchangers

Echangeur d'ions
Intercambiador de iones

69000	**Permutit® RS-120** strongly acid cation exchanger, gel form, Na^+-form, ball size: 0,3—1,2 mm **1 L ≈ 0,93 kg**	PF. *3902*	1 L	27,75	23,60	22,20	2
69001	**Permutit® RS-90** strongly acid cation exchanger, gel form, Na^+-form, ball size: 0,3—1,2 mm **1 L ≈ 0,80 kg**	PF. *3902*	1 L	24,75	21,05	19,80	
69002	**Permutit® RS-90-L** strongly acid cation exchanger, gel form, Na^+-form, ball size: 0,3—1,2 mm **1 L ≈ 0,80 kg**	PF. *3902*	1 L	25,25	21,45	20,20	
69004	**Permutit® RS-40** strongly acid cation exchanger, gel form, H^+-form, ball size: 0,3—1,2 mm **1 L ≈ 0,78 kg**	PF. *3902*	1 L	32,—	27,20	25,60	
69005	**Permutit® RS-20** strongly acid cation exchanger, gel form, H^+-form, ball size: 0,3—1,2 mm **1 L ≈ 0,78 kg**	PF. *3902*	1 L	188,—	159,80	150,40	1

refer explanations

Number ADR /GGVS -CODE (GGVSee)	Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
Permutit® C-65 slightly acid cation exchanger, gel form, H^+-form, ball size: 0,3—1,2 mm **1 L ≈ 0,74 kg**	PF. *3902*	1 L	37,—	31,45	29,60	28,50
Permutit® C-67 slightly acid cation exchanger, gel form, H^+-form, ball size: 0,3—1,2 mm **1 L ≈ 0,78 kg**	PF. *3902*	1 L	38,50	32,75	30,80	29,65
Permutit® RPS-120 strongly acid cation exchanger, macroporous, Na^+-form, ball size: 0,3—1,2 mm **1 L ≈ 0,78 kg**	PF. *3902*	1 L	28,25	24,—	22,60	21,75
Permutit® RSP-100 strongly acid cation exchanger, macroporous, Na^+-form, ball size: 0,3—1,2 mm **1 L ≈ 0,78 kg**	PF. *3902*	1 L	28,25	24,—	22,60	21,75
Permutit® RSP-100-I strongly acid cation exchanger with indicator, macroporous, Na^+-form, ball size: 0,3—1,2 mm **1 L ≈ 0,78 kg**	PF. *3902*	1 L	33,75	28,70	27,—	26,—
Permutit® G cation exchanger, aluminium silicate-gel, Na^+-form granulation: 0,2—1,2 mm **1 L ≈ 0,43**	PF. *3819*	1 L	26,25	22,30	21,—	20,20
Permutit® Folin cation exchanger, aluminium silicate-gel, Na^+-form, ammonia free, granulation: 0,2—0,5 mm	PF. *3819*	1 kg	188,—	159,80	150,40	144,75
Permutit® ESB 32 very strongly basic anion exchanger, type I, gel form, Cl^--form, ball size: 0,2—1,2 mm **1 L ≈ 0,75 kg**	PF. *3902*	1 L	47,50	40,40	38,—	36,60
Permutit® ES-26 strongly basic anion exchanger, type II, gel form, Cl^--form, ball size: 0,3—1,2 mm **1 L ≈ 0,70 kg**	PF. *3902*	1 L	45,25	38,45	36,20	34,85
Permutit® ES-32 strongly basic anion exchanger, type II, gel form, Cl^--form, ball size: 0,2—1,2 mm **1 L ≈ 0,76 kg**	PF. *3902*	1 L	51,—	43,35	40,80	39,25
Permutit® SK strongly basic anion exchanger, gel form SO_4^{2-}-form, ball size: 0,3—1,2 mm **1 L ≈ 0,80 kg**	PF. *3902*	1 L	77,50	65,90	62,—	59,70
Permutit® EHP-32 very strongly basic anion exchanger, type I, gel form, Cl^--form, ball size: 0,3—1,2 mm **1 L ≈ 0,70 kg**	PF. *3902*	1 L	47,50	40,40	38,—	36,60
Permutit® ESB-274 very strongly basic anion exchanger type I, macroporous, Cl^--form, ball size: 0,3—1,2 mm **1 L ≈ 0,65 kg**	PF. *3902*	1 L	51,—	43,35	40,80	39,25
Permutit® ESB-274-I very strongly basic anion exchanger, type I, with indicator, macroporous, Cl^--form, ball size: 0,3—1,2 mm **1 L ≈ 0,65 kg**	PF. *3902*	1 L	63,50	54,—	50,80	48,90

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96 (16 Bo
69023	**Permutit® ES-274** strongly basic anion exchanger, type II, macroporous, Cl^--form, ball size: 0,3—1,2 mm **1 L ≈ 0,70 kg**	PF. *3902*	1 L	56,50	48,05	45,20	43,
69024	**Permutit® ES-274-I** strongly basic anion exchanger, type II, with indicator, macroporous, Cl^--form, ball size: 0,3—1,2 mm **1 L ≈ 0,70 kg**	PF. *3902*	1 L	69,—	58,65	55,20	53,
69025	**Permutit® EHP-274** very strongly basic anion exchanger, type I, macroporous, Cl^--form, ball size: 0,3—1,2 mm **1 L ≈ 0,65 kg**	PF. *3902*	1 L	53,50	45,50	42,80	41,
69026	**Permutit® EM-13** slightly basic anion exchanger, macroporous, free base, ball size: 0,3—1,2 mm **1 L ≈ 0,65 kg**	PF. *3902*	1 L	54,50	46,35	43,60	41,
69027	**Permutit® EM-13-I** slightly basic anion exchanger, macroporous, with indicator, free base, ball size: 0,3—1,2 mm **1 L ≈ 0,65 kg**	PF. *3902*	1 L	66,50	56,55	53,20	51,
62711	**α-Ionone** PROSYNTH® *α-Ionone / α-Ionona* $(CH_3)_2\underline{CCH_2CH_2CH=C(CH_3)CHCH=CHCOCH_3}$ $C_{13}H_{20}O$ M = 192,30 g/mol **1 L ≈ 0,93 kg** assay (GC) ..... 95% boiling range (at 17 mbar) ..... 130—132 °C refractive index (n_D^{20}) 1,500	FL. *2913*	100 ml	43,75	37,20	35,—	32,
63577	**β-Ionone** PROSYNTH® *β-Ionone / β-Ionona* $(CH_3)_2\underline{C(CH_2)_3C(CH_3)=CCH=CHCOCH_3}$ $C_{13}H_{20}O$ M = 192,30 g/mol **1 L ≈ 0,93 kg** assay (GC) ..... 98% boiling range ..... 263—265 °C refractive index (n_D^{20}) 1,519	FL. *2913*	100 ml	43,75	37,20	35,—	32,
35732 A 6.1/21A C 6.1 1615 3	**Ioxynil** min. 99% PESTANAL® (3,5-Diiodo-4-hydroxybenzonitrile) $NC\underline{C=CHCJ=COHCJ=C}H$ $C_7H_3J_2NO$ M = 307,92 g/mol R: 23/24/25 S: 2-13-44 disposal: 7	FL. *2927*	1 g	42,—	35,70	33,60	31,
10435	**Iridium** sticks 0,5 mm *Iridium / Iridio* Ir M = 192,22 g/mol assay 99%	WG. *7109*	1 g	200,—	170,—	160,—	150,
10436	**Iridium(III) chloride** *Iridium(III) chlorure / Iridio(III) cloruro* $IrCl_3$ M = 298,58 g/mol assay 99%	FL. *2849*	1 g	172,—	146,20	137,60	129,

refer explanations

Number ADR E/GGVS S-CODE (GGVSee)		Type of package *B.T.N.*		Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	Iron R. G., made by reduction *Fer / Hierro* Fe $M = 55{,}85$ g/mol metallic iron ..... min. 95% total iron ..... min. 99% soluble in water ..... max. 0,01% insoluble in sulphuric acid ..... max. 0,1% arsenic (As) ..... max. 0,00005% copper (Cu) ..... max. 0,002% manganese (Mn) ..... max. 0,03% zinc (Zn) ..... max. 0,003% sulphide (S) ..... max. 0,03% total nitrogen (N) ..... max. 0,01%		PF. PF. FTP. *7305*	250 g 1 kg 50 kg	22,— 65,50 kg	18,70 55,70 35,50	17,60 52,40	16,50 50,45
3	**Iron** R. G. wire, 0,2 mm∅ *Fer / Hierro* Fe $M = 55{,}85$ g/mol copper (Cu) ..... 0,1% manganese (Mn) ..... 0,4% nickel (Ni) 0,1%	roll of abt. 100 g	*7366*	1 pack	20,25	17,20	16,20	15,20
3	**Iron** R. G. wire, 0,57 mm ∅ *Fer / Hierro* Fe $M = 55{,}85$ g/mol assay (total iron [Fe]) ..... 99% copper (Cu) ..... 0,1% manganese (Mn) ..... 0,4% nickel (Ni) 0,1%	roll of abt. 100 g	*7366*	1 pack	12,50	10,65	10,—	9,40
2	**Iron** chem. pure made by reduction *Fer / Hierro* Fe $M = 55{,}85$ g/mol assay ..... 99% soluble in water ..... 0,05% insoluble in hydrochloric acid ..... 0,5% arsenic (As) ..... 0,0005% lead (Pb) ..... 0,002% copper (Cu) ..... 0,02% manganese (Mn) ..... 0,05% nickel (Ni) ..... 0,05% zinc (Zn) ..... 0,01% chloride (Cl) ..... 0,001% sulphide (S) 0,01%		PF. PF. S. *7305*	250 g 1 kg 50 kg	14,75 44,75 kg	12,55 38,05 12,50	11,80 35,80	11,05 34,45
0	**Iron** fine powder *Fer / Hierro* Fe $M = 55{,}85$ g/mol assay ..... 99% insoluble in hydrochloric acid ..... 0,5% arsenic (As) ..... 0,0005% lead (Pb) ..... 0,002% copper (Cu) ..... 0,005% manganese (Mn) ..... 0,05% nickel (Ni) ..... 0,05% zinc (Zn) ..... 0,01% sulphide (S) 0,02%		PF. PF. S. *7305*	1 kg 5 kg 50 kg	14,25 53,50 kg	12,10 44,40 5,50	11,40 41,75	10,95 40,15
5	**0,100 g Iron** FIXANAL® water soluble standard for atom absorption *0,100 g Fer / 0,100 g Hierro*	ampoule	*3819*	1 pack	10,25	8,70	8,20	7,70
4 1115 2 C	**0,100 g** *organo*-**Iron** FIXANAL® petroleum ether-soluble standard for atom absorption *0,100 g organo-Fer / 0,100 g organo-Hierro* R: 10	ampoule	*3819*	1 pack	33,75	28,70	27,—	25,30
0	**1,00 g Iron** FIXANAL® watersoluble standard for atom absorption *1,00 g Fer / 1,00 g Hierro*	ampoule	*3819*	1 pack	10,25	8,70	8,20	7,70

SPECTRANAL® solvents for spectroscopy

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package B.T.N.		Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	(16
38860	**10,00 g Iron** FIXANAL as Iron(III)-chloride *10,00 g Fer / 10,00 g Hierro*	ampoule	*3819*					
25034	**Iron(III) acetate basic** pure *Fer(III) acétate basique / Hierro(III) acetato básico*		PF.	500 g	41,75	35,50	33,40	3
			PF.	1 kg	76,50	65,05	61,20	5
			FTP.	50 kg	price on request			
62596	**Iron(II) acetylacetonate** PROSYNTH® *Fer(II) acétylacétonate / Hierro(II) acetilacetonato* $Fe(C_5H_7O_2)_2$ $C_{10}H_{14}FeO_4$ $M = 254{,}07$ g/mol assay (ex Fe) ..... 99% melting range ..... 178–180 °C (disint.)		*2914*					
			PF.	50 g	23,75	20,20	19,—	1
			2945					
62597	**Iron(III) acetylacetonate** PROSYNTH® *Fer(III) acétylacétonate / Hierro(III) acetilacetonato* $Fe(C_5H_7O_2)_3$ $C_{15}H_{21}FeO_6$ $M = 353{,}17$ g/mol assay (ex Fe) ..... 99% melting range ..... 180–182 °C (disint.)		WG.	100 g	24,—	20,40	19,20	1
			2945					
	Iron ammonium citrate see Ammonium iron(III) citrate							
	Iron ammonium oxalate see Ammonium iron(III) oxalate							
	Iron ammonium sulphate see Ammonium iron sulphate							
	Iron borofluoride solution see Iron(II) fluoroborate solution							
12317	**Iron(II) chloride** technical *Fer(II) chlorure / Hierro(II) cloruro* $FeCl_2 \cdot xH_2O$ M = (anhydrous) 126,75 g/mol assay of Fe(II) 33%		PF.	1 kg	14,75	12,55	11,80	1
			PF.	5 kg	55,50	46,05	43,30	4
			BLT.	100 kg	price on request			
			2830					
31226	**Iron(II) chloride-4-hydrate** R. G. *Fer(II) chlorure-4-hydrate / Hierro(II) cloruro-4-hidrato* $FeCl_2 \cdot 4H_2O$ $M = 198{,}81$ g/mol assay ..... min. 99% iron(III) (Fe^{3+}) ..... max. 0,2% insoluble in water ..... max. 0,005% alkalis and earth alkalis (as sulphates) ..... max. 0,05% arsenic (As) ..... max. 0,0005% lead (Pb) ..... max. 0,001% copper (Cu) ..... max. 0,002% manganese (Mn) ..... max. 0,005% zinc (Zn) ..... max. 0,003% sulphate (SO_4) ..... max. 0,01% total nitrogen (N) ..... max. 0,001%		PF.	250 g	17,25	14,65	13,80	1
			PF.	500 g	30,—	25,50	24,—	2
			PF.	1 kg	56,—	47,60	44,80	4
			FTP.	50 kg	kg	28,75		
			2830					
12321 A 8/12 C 8 1773 3	**Iron(III) chloride** sublimed *Fer(III) chlorure / Hierro(III) cloruro* $FeCl_3$ $M = 162{,}21$ g/mol assay ..... 99% arsenic (As) ..... 0,0005% lead (Pb) ..... 0,02% copper (Cu) ..... 0,03% manganese (Mn) 0,15%		BL.	1 kg	14,75	12,55	11,80	1
			BL.	2,5 kg	32,—	26,55	24,95	2
			BLT.	200 kg	price on request			
			2830					
31232	**Iron(III) chloride-6-hydrate** cryst. R. G., Reag. ACS, Reag. Ph. Eur. I *Fer(III) chlorure-6-hydrate / Hierro(III) cloruro-6-hidrato* $FeCl_3 \cdot 6H_2O$ $M = 270{,}30$ g/mol assay ..... min. 99% free acid (as HCl) ..... max. 0,2% arsenic (As) ..... max. 0,0005% lead (Pb) ..... max. 0,002% iron(II) (Fe^{2+}) ..... max. 0,005% copper (Cu) ..... max. 0,002% zinc (Zn) ..... max. 0,002% substances not precipitated by ammonia solution (as sulphates) ..... max. 0,05% free chlorine (Cl) ..... max. 0,001% phosphate (PO_4) ..... max. 0,002% sulphate (SO_4) ..... max. 0,005% total nitrogen (N) ..... max. 0,001%		WG.	250 g	17,—	14,45	13,60	1
			WG.	500 g	27,75	23,60	22,20	2
			WG.	1 kg	49,75	42,30	39,80	3
			WG.	2,5 kg	112,50	93,40	87,75	8
			FTP.	50 kg	kg	21,25		
			2830					

refer explanations

Number DR /GGVS -CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	Iron(III) chloride-6-hydrate pure cryst. *Fer(III) chlorure-6-hydrate / Hierro(III) cloruro-6-hidrato* $FeCl_3 \cdot 6H_2O$ $M = 270{,}30$ g/mol assay ..... 99% insoluble in water ..... 0,05% free acid (as HCl) ..... 0,1% arsenic (As) ..... 0,0005% iron(II) (Fe^{2+}) ..... 0,01% heavy metals (as Pb) ..... 0,005% substances not precipitated by ammonia solution (as sulphates) ..... 0,1% free chlorine (Cl) ..... 0,005% sulphate (SO_4) 0,01%	WG. WG. FTP. FTP. FTP. *2830*	1 kg 2,5 kg 100 kg 5x 10x	15,— 26,50 kg kg kg	12,75 22,— 4,60 4,35 4,20	12,— 20,65	11,55 19,90
2 73 3	**Iron(III) chloride solution** 45% $FeCl_3$, pure *Fer(III) chlorure en solution / Hierro(III) cloruro en solución* $FeCl_3$ $M = 162{,}21$ g/mol **1 L ≈ 1,48 kg** cristallizes at temperatures of abt. 0 °C	FL. FL. FPF. FPF. BLT. *2830*	1 L 2,5 L 40 kg 40 kg 40 kg	20,— 41,75 price on request price on request price on request	17,— 34,65	16,— 32,55	15,40 31,30
7	**Iron(III) chromate** technical *Fer(III) chromate / Hierro(III) cromato* assay of iron (as Fe_2O_3) ..... 64% assay of chromium (as CrO_3) 24%	PF. S. *2847*	1 kg 50 kg	23,75 price on request	20,20	19,—	18,30
9	**Iron(III) citrate** 18—20% Fe, pure granular Erg. B. 6 *Fer(III) citrate / Hierro(III) citrato*	PF. *2916*	1 kg	31,50	26,80	25,20	24,25
5 5 2811 2	*tri*-**Iron-dodecacarbonyl** moistened with 5—10% methanol PROSYNTH® *tri-Fer-dodécacarbonyle / tri-Hierro-dodecacarbonil* $Fe_3(CO)_{12}$ $C_{12}Fe_3O_{12}$ $M = 503{,}67$ g/mol assay (ex Fe) ..... 97% R: 23/24/25 S: 44 disposal: 10	WG. *2858*	10 g	price on request			
6 2811 3	**Iron(III) fluoride** *Fer(III) fluorure / Hierro(III) fluoruro* FeF_3 $M = 112{,}84$ g/mol assay 98%	WG. *2829*	10 g	46,—	39,10	36,80	34,50
9 2810 2	**Iron(II) fluoroborate solution** 42% for electroplating *Fer(II) fluoroborate en solution / Hierro(II) fluoroborato en solución* $Fe(BF_4)_2$ $M = 229{,}45$ g/mol **1 L ≈ 1,40 kg** assay of Fe ..... 10,2—10,4% free fluoroboric acid (HBF_4) ..... 1—3% free boric acid (H_3BO_3) ..... 1—2% lead (Pb) ..... 0,002% copper (Cu) ..... 0,0005% manganese (Mn) ..... 0,005% nickel (Ni) ..... 0,005% zinc (Zn) ..... 0,0005% chloride (Cl) ..... 0,002% sulphate (SO_4) 0,03%	PF. FPF. *2829*	1 L 40 kg	22,50 price on request	19,15	18,—	17,35
5	**Iron(II) fumarate** *Fer(II) fumarate / Hierro(II) fumarato* $C_4H_2FeO_4$ $M = 169{,}90$ g/mol	PF. S. *2915*	1 kg 50 kg	17,25 price on request	14,65	13,80	13,30
	Iron(III) hydroxide see Iron(III) oxide hydrated						

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	(16
04410	**Iron(III) hypophosphite** chem. pure B. P. C. 1963 *Fer(III) hypophosphite / Hierro(III) hipofosfito* $Fe(PH_2O_2)_3$ $M = 250{,}81$ g/mol assay ..... 96—101 % loss on drying (105 °C) ..... 3 % arsenic (As) ..... 0,0002 % lead (Pb) ..... 0,005 % chloride (Cl) ..... 0,5 % sulphate (SO_4) ..... 0,01 %	PF. BLT. *2840*	1 kg 50 kg	56,— price on request	47,60	44,80	4
31233 C 5.1 1466 3	**Iron(III) nitrate-9-hydrate** R. G., Reag. ACS *Fer(III) nitrate-9-hydrate / Hierro(III) nitrato-9-hidrato* $Fe(NO_3)_3 \cdot 9H_2O$ $M = 404{,}00$ g/mol assay ..... min. 98 % insoluble in water ..... max. 0,005 % free acid (as HNO_3) ..... max. 0,25 % arsenic (As) ..... max. 0,0003 % iron(II) (Fe^{2+}) ..... max. 0,002 % copper (Cu) ..... max. 0,001 % manganese (Mn) ..... max. 0,005 % zinc (Zn) ..... max. 0,0015 % substances not precipitated by ammonia solution (as sulphates) ..... max. 0,1 % chloride (Cl) ..... max. 0,0005 % phosphate (PO_4) ..... max. 0,005 % sulphate (SO_4) ..... max. 0,005 %	PF. PF. PF. FTP. *2839*	250 g 500 g 1 kg 50 kg	11,50 16,50 29,50 kg	9,80 14,05 25,10 15,75	9,20 13,20 23,60	1 2
12335 C 5.1 1466 3	**Iron(III) nitrate-9-hydrate** chem. pure cryst. *Fer(III) nitrate-9-hydrate / Hierro(III) nitrato-9-hidrato* $Fe(NO_3)_3 \cdot 9H_2O$ $M = 404{,}00$ g/mol assay ..... 98 % chloride (Cl) ..... 0,005 % sulphate (SO_4) ..... 0,005 %	PF. PF. PF. FTP. *2839*	500 g 1 kg 2,5 kg 50 kg	10,75 19,25 41,25 price on request	9,15 16,35 34,25	8,60 15,40 32,20	1 3
12336 C 5.1 1466 3	**Iron(III) nitrate-9-hydrate** cryst. *Fer(III) nitrate-9-hydrate / Hierro(III) nitrato-9-hidrato* $Fe(NO_3)_3 \cdot 9H_2O$ $M = 404{,}00$ g/mol assay ..... 98 % chloride (Cl) ..... 0,01 % sulphate (SO_4) ..... 0,02 %	PF. PF. S. *2839*	1 kg 2,5 kg 50 kg	14,50 30,25 price on request	12,35 25,10	11,60 23,60	2
64580 A 6.1/5 C 6.1 2811 2	*di*-**Iron-nonacarbonyl** PROSYNTH® *di-Fer nonacarbonyle / di-Hierro nonacarbonilo* $Fe_2(CO)_9$ $C_9Fe_2O_9$ $M = 363{,}79$ g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 23/24/25 S: 44 disposal: 10	WG. *2934*	5 g	price on request			
25428	**Iron(II) oxalate** *Fer(II) oxalate / Hierro(II) oxalato* $Fe(C_2O_4) \cdot 2H_2O$ $C_2FeO_4 \cdot 2H_2O$ $M = 179{,}90$ g/mol assay ..... 99 % R: 21/22 S: 2-24/25 disposal: 8	PF. S. *2915*	1 kg 50 kg	19,75 price on request	16,80	15,80	

refer explanations

Number ADR E/GGVS E-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	Iron(III) oxide R. G., standard titrimetric substance *Fer(III) oxyde / Hierro(III) óxido* Fe_2O_3 M = 159,69 g/mol assay ..... min. 99% soluble in water ..... max. 0,02% insoluble in hydrochloric acid ..... max. 0,01% lead (Pb) ..... max. 0,001% calcium (Ca) ..... max. 0,05% magnesium (Mg) ..... max. 0,03% manganese (Mn) ..... max. 0,005% nickel (Ni) ..... max. 0,002% zinc (Zn) ..... max. 0,005% chloride (Cl) ..... max. 0,01% sulphate (SO_4) ..... max. 0,01% silicate (SiO_2) ..... max. 0,005% total nitrogen (N) ..... max. 0,005%	PF. PF. *2823*	100 g 250 g	30,75 65,—	26,15 55,25	24,60 52,—	23,05 48,75
1	**Iron(III) oxide** chem. pure red *Fer(III) oxyde / Hierro(III) óxido* Fe_2O_3 M = 159,69 g/mol assay ..... 99,5% loss on ignition ..... 0,3% calcium (Ca) ..... 0,05% manganese (Mn) ..... 0,05% phosphate (PO_4) ..... 0,01% sulphate (SO_4) 0,01%	PF. PF. FTP. *2823*	250 g 1 kg 50 kg	21,50 62,50	18,30 53,15 price on request	17,20 50,—	16,15 48,15
3	**Iron(III) oxide** pure red *Fer(III) oxyde / Hierro(III) óxido* Fe_2O_3 M = 159,69 g/mol assay ..... 98% insoluble in hydrochloric acid ..... 1% loss on ignition ..... 0,5% arsenic (As) ..... 0,005% copper (Cu) ..... 0,1% manganese (Mn) ..... 0,05% zinc (Zn) ..... 0,05% phosphate (PO_4) ..... 0,01% sulphate (SO_4) 0,03%	PF. PF. S. *2823*	1 kg 5 kg 25 kg	16,75 62,50	14,25 51,90 price on request	13,40 48,75	12,90 46,90
2	**Iron(III) oxide** purified red *Fer(III) oxyde / Hierro(III) óxido* Fe_2O_3 M = 159,69 g/mol assay ..... 97% insoluble in hydrochloric acid ..... 2,5% loss on ignition ..... 0,5% arsenic (As) ..... 0,005% copper (Cu) ..... 0,1% manganese (Mn) ..... 0,1% zinc (Zn) ..... 0,1% phosphate (PO_4) ..... 0,1% sulphate (SO_4) 0,03%	PF. PF. S. *2823*	1 kg 5 kg 25 kg	16,25 60,50	13,80 50,20 price on request	13,— 47,20	12,50 45,40
6	**Iron(III) oxide hydrated** abt. 80% Fe_2O_3, purified *Fer(III) oxyde hydraté / Hierro(III) óxido hidrato* $Fe_2O_3 \cdot H_2O$ M = (anhydrous) 159,69 g/mol	PF. BL. *2823*	1 kg 5 kg	27,25 102,50	23,15 85,10	21,80 79,95	21,— 76,90
0	**Iron phosphate** Erg. B. 6, B. P. C. 1973 *Fer phosphate / Hierro fosfato* assay of total iron (Fe) ..... 33% assay of iron(II) (Fe^{2+}) ..... 16% arsenic (As) ..... 0,0002% heavy metals (as Pb) ..... 0,005% sulphate (SO_4) 0,2%	PF. PF. S. *2840*	500 g 1 kg 25 kg	22,75 41,50	19,35 35,30 price on request	18,20 33,20	17,50 31,95
1	**Iron(III) phosphate** powder Erg. B. 6 *Fer(III) phosphate / Hierro(III) fosfato* $FePO_4 \cdot ca.4H_2O$ M = (anhydrous) 150,82 g/mol assay of iron (Fe) ..... 26% foreign heavy metals (as Pb) ..... 0,005% arsenic (As) ..... 0,0004% chloride (Cl) ..... 0,05% sulphate (SO_4) 0,1%	PF. PF. S. *2840*	500 g 2,5 kg 25 kg	29,25 119,—	24,85 98,75 price on request	23,40 92,80	22,50 89,25
	Iron pyrites see Iron(II) sulphide for preparing hydrogen sulphide						

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	(16
	Iron sesquichloride see Iron(III) chloride						
	Iron sodium citrate see Sodium iron(III) citrate						
12411	**Iron sulphamate solution** *Fer sulfamate en solution / Hierro sulfamato en sulución* $Fe(SO_3NH_2)_2$ $M = 248{,}02$ g/mol	PF. FPF. *2840*	1 L 40 kg	price on request price on request			
31236	**Iron(II) sulphate-7-hydrate** R. G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I *Fer(II) sulfate-7-hydrate / Hierro(II) sulfato-7-hidrato* $FeSO_4 \cdot 7H_2O$ $M = 278{,}02$ g/mol assay ..... min. 99% insoluble in water ..... max. 0,01% free acid (as H_2SO_4) ..... max. 0,2% lead (Pb) ..... max. 0,0005% calcium (Ca) ..... max. 0,005% iron(III) (Fe^{3+}) ..... max. 0,01% potassium (K) ..... max. 0,002% copper (Cu) ..... max. 0,001% manganese (Mn) ..... max. 0,05% sodium (Na) ..... max. 0,002% zinc (Zn) ..... max. 0,002% chloride (Cl) ..... max. 0,0005% phosphate (PO_4) ..... max. 0,001%	PF. PF. PF. FTP. *2838*	500 g 1 kg 2,5 kg 50 kg	12,— 20,— 42,75 kg	10,20 17,— 35,50 10,25	9,60 16,— 33,35	9 15 32
12353	**Iron(II) sulphate** exsiccated pure DAB 6, B. P. 1973 *Fer(II) sulfate / Hierro(II) sulfato* $FeSO_4 \cdot$ ca. $1{,}5H_2O$ M = (anhydrous) 151,91 g/mol assay ($FeSO_4$) ..... 85% arsenic (As) ..... 0,0002% lead (Pb) ..... 0,002% copper (Cu) ..... 0,003% manganese (Mn) ..... 0,08% zinc (Zn) ..... 0,01% substances not precipitated by ammonia solution (as sulphates) 0,1%	PF. PF. S. *2838*	1 kg 5 kg 50 kg	11,— 38,50 price on request	9,35 31,95	8,80 30,05	8 28
12352	**Iron(II) sulphate-7-hydrate** pure cryst. U. S. P. XIX *Fer(II) sulfate-7-hydrate / Hierro(II) sulfato-7-hidrato* $FeSO_4 \cdot 7H_2O$ $M = 278{,}02$ g/mol assay ..... 99,8% arsenic (As) ..... 0,0001% lead (Pb) ..... 0,0005% copper (Cu) ..... 0,001% manganese (Mn) ..... 0,08% mercury (Hg) ..... 0,0002% zinc (Zn) ..... 0,01% substances not precipitated by ammonia solution (as sulphates) ..... 0,05% chloride (Cl) 0,03%	PF. PF. S. *2838*	1 kg 5 kg 50 kg	10,50 31,50 price on request	8,95 26,15	8,40 24,55	8 23
12354	**Iron(II) sulphate-7-hydrate** pure cryst. Ph. Eur. I, B. P. 1973, Ph. Franc. IX *Fer(II) sulfate-7-hydrate / Hierro(II) sulfato-7-hidrato* $FeSO_4 \cdot 7H_2O$ $M = 278{,}02$ g/mol assay ..... 99,5% pH (5%, 20 °C) ..... 3,0-4,0 arsenic (As) ..... 0,0001% manganese (Mn) ..... 0,08% foreign heavy metals (as Pb) ..... 0,002% zinc (Zn) ..... 0,01% substances not precipitated by ammonia solution (as sulphates) ..... 0,05% chloride (Cl) 0,02%	PF. PF. S. *2838*	2,5 kg 5 kg 50 kg	16,25 29,— price on request	13,50 24,05	12,70 22,60	12 21
12360	**Iron(II) sulphate-7-hydrate** crude cryst. *Fer(II) sulfate-7-hydrate / Hierro(II) sulfato-7-hidrato* $FeSO_4 \cdot 7H_2O$ $M = 278{,}02$ g/mol assay ..... 97% pH (5%, 20 °C) ..... 2,5—3,5 lead (Pb) ..... 0,01% copper (Cu) ..... 0,05% zinc (Zn) 0,05%	PF. S. *2838*	5 kg 50 kg	25,— price on request	20,75	19,50	18

refer explanations

Number DR /GGVS CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	Iron(II) sulphate exsiccated technical *Fer(II) sulfate / Hierro(II) sulfato* $FeSO_4 \cdot ca.1{,}5H_2O$ *M* = (anhydrous) 151,91 g/mol assay ($FeSO_4$) 85%	PF. S. *2838*	5 kg 50 kg	29,50 price on request	24,50	23,—	22,15
7	**0,1 mol Iron(II) sulphate** FIXANAL® 27,802 g $FeSO_4 \cdot 7H_2O$ for 1 L 0,1 N solution *0,1 mol Fer(II) sulfate / 0,1 mol Hierro(II) sulfato* ampoule	*3819*	1 pack	8,75	7,45	7,—	6,55
5	**Iron(III) sulphate** R. G. *Fer(III) sulfate / Hierro(III) sulfato* $Fe_2(SO_4)_3 \cdot xH_2O$ *M* (anhydrous) = 399,88 g/mol assay of iron (Fe) ..... 21—23% insoluble in hydrochloric acid ..... max. 0,01% arsenic (As) ..... max. 0,0005% iron(II) (Fe^{2+}) ..... max. 0,02% copper (Cu) ..... max. 0,002% zinc (Zn) ..... max. 0,005% substances not precipitated by ammonia solution (as sulphates) ..... max. 0,05% chloride (Cl) ..... max. 0,005% nitrate (NO_3) ..... max. 0,02% phosphate (PO_4) ..... max. 0,003%	PF. PF. FTP. *2838*	500 g 1 kg 25 kg	14,75 26,75 kg	12,55 22,75 13,50	11,80 21,40	11,35 20,60
7	**Iron(III) sulphate** chem. pure *Fer(III) sulfate / Hierro(III) sulfato* $Fe_2(SO_4)_3 \cdot xH_2O$ *M* (anhydrous) = 399,88 g/mol assay of iron (Fe) ..... 22% iron(II) (Fe^{2+}) ..... 0,05% copper (Cu) ..... 0,005% zinc (Zn) ..... 0,005% substances not precipitated by ammonia solution (as sulphates) ..... 0,1% chloride (Cl) ..... 0,005% nitrate (NO_3) 0,01%	PF. PF. S. *2838*	1 kg 5 kg 25 kg	19,75 74,— price on request	16,80 61,40	15,80 57,70	15,20 55,50
8	**Iron(III) sulphate** exsiccated, technical *Fer(III) sulfate / Hierro(III) sulfato* $Fe_2(SO_4)_3 \cdot xH_2O$ *M* (anhydrous) = 399,88 g/mol assay of iron (Fe) ..... 21,0—22,5% free acid (H_2SO_4) 3%	PF. S. *2838*	1 kg 25 kg	11,50 price on request	9,80	9,20	8,85
9	**Iron(II) sulphide** sticks for preparing hydrogen sulphide *Fer(II) sulfure / Hierro(II) sulfuro* sulphide sulphur (S) 29%	PF. PF. *2835*	1 kg 5 kg	16,25 64,50	13,80 53,55	13,— 50,30	12,50 48,40
5	**Iron(II) sulphide** lumps *Fer(II) sulfure / Hierro(II) sulfuro* sulphide sulphur (S) 29%	PF. BLT. *2835*	1 kg 100 kg	13,75 price on request	11,70	11,—	10,60
3	**Iron(II) sulphide** thin sticks *Fer(II) sulfure / Hierro(II) sulfuro* sulphide sulphur (S) 29%	PF. PF. BLT. *2835*	1 kg 5 kg 50 kg	15,50 58,50 price on request	13,20 48,55	12,40 45,65	11,95 43,90
6	**Iron(II) sulphide** powder *Fer(II) sulfure / Hierro(II) sulfuro* sulphide sulphur (S) 29%	PF. PF. BLT. *2835*	1 kg 5 kg 100 kg	15,— 57,50 price on request	12,75 47,75	12,— 44,85	11,55 43,15
9	**Isatin** R. G. *Isatine / Isatina* $C_6H_4NHCOCO$ $C_8H_5NO_2$ *M* = 147,13 g/mol assay (ex N) ..... min. 99% melting range ..... 199—202 °C insoluble in ethanol ..... max. 0,01% sulphated ash ..... max. 0,05% suitability for the silver proof ..... passes test	PF. *2935*	25 g	13,25	11,25	10,60	9,95

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62691	**Isatoic anhydride** PROSYNTH® *Anhydride isatoïque / Anhidrido isatóico* $C_6H_4COOCONH$ $C_8H_5NO_3$ $M = 163{,}13$ g/mol assay (alkalimetric) ..... 97% melting range ..... 235–239 °C (disint.)	PF. *2925*	100 g	15,75	13,40	12,60	11
	Isoamyl bromide see 1-Bromo-3-methylbutane						
	Isoamyle acetate see *iso*-Amyl acetate						
	Isobutanol see *iso*-Butanol						
	Isobutyl bromide see 1-Bromo-2-methylpropane						
	Isobutyl iodide see 1-Iodo-2-methylpropane						
60393 A 8/22 C 3.2 2395 2	**Isobutyryl chloride** PROSYNTH® *Isobutyryle chlorure / Isobutirilo cloruro* $(CH_3)_2CHCOCl$ C_4H_7ClO $M = 106{,}55$ g/mol 1 L ≈ 1,02 kg assay ..... 99% boiling range ..... 91–92 °C refractive index (n_D^{20}) 1,408	FL. *2914*	250 ml	22,50	19,15	18,—	16
	Iso-Compounds see also under the name of the radical						
	Isoniazide see *iso*-Nicotinic acid hydrazide						
60461	**Isooctadecanoic acid** PROSYNTH® *Acide isooctadécanoïque / Acido isooctadecanóico* $C_{18}H_{36}O_2$ $M = 286{,}48$ g/mol 1 L ≈ 0,88 kg assay ..... 97% refractive index (n_D^{20}) 1,450	FL. *2914*	250 ml	39,25	33,35	31,40	29,
	Isooctane see *iso*-Octane						
	Isopentyl alcohol see 3-Methyl-1-butanol						
	Isopentyl bromide see 1-Bromo-3-methylbutane						
62695 A 3/4 +85 °C	**Isophorone** PROSYNTH® *Isophorone / Isoforona* $(CH_3)_2CCH_2C(CH_3)=CHCOCH_2$ $C_9H_{14}O$ $M = 138{,}21$ g/mol 1 L ≈ 0,92 kg assay (GC) ..... 98% boiling range ..... 212–214 °C refractive index (n_D^{20}) ..... 1,476 R: 36/37/38 S: 26 disposal: 6	FL. *2913*	1 L	22,—	18,70	17,60	16,
	Isoprene see 2-Methylbutadiene-(1,3)						
	Isoprene alcohol see 2-Methylbutanol-(2)						
	Isopropanol see Propanol-(2)						
	Isopropyl alcohol see Propanol-(2)						
	Isopropylamine, mono see *iso*-Propylamine, mono						
	Isopropyl bromide see 2-Bromopropane						
	Isopropylbromoallybarbituric acid see *iso*-Propylbromoallybarbituric acid						
	Isopropyl ether see Di-*iso*-propyl ether						
	Isopropyl iodide see 2-Iodopropane						
	Isopropylphenazone see *iso*-Propylphenazone						

refer explanations

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2	**Isoquinoline** PROSYNTH® *Isoquinoléine / Isoquinolina* $C_6H_4CH=CHN=CH$ C_9H_7N $M = 129{,}16$ g/mol assay ..... 98% melting range ..... 23–26 °C	FL. *2935*	100 ml	29,25	24,85	23,40	21,95
8	**Itaconic acid** PROSYNTH® *Acide itaconique / Acido itacónico* $HOOCCH_2C(=CH_2)COOH$ $C_5H_6O_4$ $M = 130{,}10$ g/mol assay (alkalimetric) ..... 99% melting range ..... 165–168 °C	PF. *2915*	500 g	22,–	18,70	17,60	16,95
	Janus green see Diazine green						
	Jenner's solution see Eosin methylene blue solution according to Jenner						
	Jewelers red see Iron(III) oxide						
8	**Juglone** PROSYNTH® *Juglone / Juglona* $HOC_6H_3COCH=CHCO$ $C_{10}H_6O_3$ $M = 174{,}16$ g/mol assay ..... 97% melting range ..... 152–154 °C	FL. *2913*	1 g	28,75	24,45	23,–	21,55
0	**Juniper tar** *Huile de cade / Aceite de cada*	EKL. *3809*	30 kg	price on request			
C							
2	**Kalignost®** (Sodium tetraphenylborate/boron) R. G. Reag. ACS ® = trade mark of Heyl & Co., Berlin $Na[B(C_6H_5)_4]$ $C_{24}H_{20}BNa$ $M = 342{,}22$ g/mol assay ..... min. 99,5% loss on drying (105 °C, 2 h) ..... max. 0,5% keep cool à stocker au frais consérvese frio	WG. WG. WG. *2934*	10 g 25 g 100 g	32,75 69,– 230,–	27,85 58,65 195,50	26,20 55,20 184,–	24,55 51,75 172,50
27	**Kaolin** light, B. P. 1973 *Kaolin / Caolin*	PF. S. *2507*	5 kg 25 kg	41,50 price on request	34,45	32,35	31,15
16	**Kaolin** heavy powder Ph. Eur. I, B.P. 1973, Ph. Franç. IX *Kaolin / Caolina* soluble in acid (as sulphates) ..... 0,5% acidly or alkalinely reacting impurities ..... passes test heavy metals (as Pb) ..... 0,002% chloride (Cl) ..... max. 0,02 % sulphates (SO_4) ..... max. 0,05% adsorption capacity ..... passes test swelling capacity ..... passes test	K. *2507*	5 kg	40,50	33,60	31,60	30,40
72	**Kaolin** finest powder *Kaolin / Caolina* loss on ignition (600 °C) ..... 14% soluble in acid ..... 1% iron (Fe) 0,1%	PF. S. *2507*	5 kg 25 kg	41,50 price on request	34,45	32,35	31,15
	Katioran® on request						
04 /82B 1615 3	**Kelevan** min. 99% PESTANAL® $C_{17}H_{12}Cl_{10}O_4$ $M = 634{,}81$ g/mol R: 20/21/22 S: 2-13 disposal: 7	FL. *2916*	1 g	39,25	33,35	31,40	29,45

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39635	**Kel F-grease No. 10** for gas chromatography *Kel F-huile No. 10 / Kel F-aceite No. 10* working temperature ..... to 100 °C	WG. *3902*	50 g	47,50	40,40	38,—	35,
35733 A 6.1/81B C 6.1 ./. 3	**Keltan (Dicofol)** min. 99% PESTANAL® [2,2,2-Trichloro-1,1-bis-(4-chlorophenyl)- ethanol] $ClC_6H_4C(OH)(CCl_3)C_6H_4Cl$ $C_{14}H_9Cl_5O$ $M = 370{,}49$ g/mol R: 20/21/22 S: 2-13 disposal: 7	FL. *2904*	1 g	56,50	48,05	45,20	42,
39267	**2-Ketobutyric acid sodium salt** BIOSYNTH® *Acide 2-cétobutyrique sel sodique / Acido 2-cetobutírico sal sódica* $CH_3CH_2COCOONa$ $C_4H_5NaO_3$ $M = 124{,}07$ g/mol	WG. *2916*	5 g	71,—	60,35	56,80	53,
39111	**2-Ketoglutaric acid** BIOSYNTH® *Acide 2-cétoglutarique / Acido 2-cetoglutárico* $HOOCCH_2CH_2COCOOH$ $C_5H_6O_5$ $M = 146{,}10$ g/mol assay (alkalimetric) ..... 99% melting range ..... 115—116 °C keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	PF. *2916*	100 g	37,25	31,65	29,80	27,
63590	**Khellin** PROSYNTH® *Khelline / Kellino* $C_{14}H_{12}O_5$ $M = 260{,}25$ g/mol assay (UV) ..... 99,5% log ε_{247} (C_2H_5OH) 4,56	WG. *2935*	10 g	29,25	24,85	23,40	21,
31689	**Kieselguhr DG** for thin-layer chromatography *Kieselguhr DG / Tierra silícea DG* gypsum content ..... 10% granulation ..... less than 32 µm (400 mesh ASTM) pour density ..... 0,25 g/ml	PF. *2512*	1 kg	48,—	40,80	38,40	36,
18514	**Kieselguhr** purified calcined Erg. B. 6 *Kieselguhr / Tierra silícea* soluble in hydrochloric acid (25%) ..... 1% loss on ignition ..... 0,1% iron (Fe) ..... 0,05% heavy metals (as Pb) ..... 0,005% chloride (Cl) ..... 0,01% sulphate (SO_4) 0,01%	PF. S. *2512*	1 kg 25 kg	13,— kg	11,05 3,25	10,40	10,
	Kieselguhr for gas chromatography see also Chromosorb®						
	Kjeldahl see Sulphuric acid according to Kjeldahl						
	Knipping see Sulphuric acid according to Knipping						
33333	**Kojic acid** R. G. *Acide kojique / Acido kójico* $\underline{OCH=C(OH)COCH=C}CH_2OH$ $C_6H_6O_4$ $M = 142{,}11$ g/mol	WG. *2944*	10 g	32,75	27,85	26,20	24,5
	Kollidon® on request						
	Krönig's cover glass cement see Cover glass cement						
	Kubel-Tiemann's litmus solution see Litmus solution acc. to Kubel and Tiemann						
	Kühne's solution see Carbol-methylene blue solution acc. to Kühne						

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	Kynurenic acid PROSYNTH®	WG.	5 g	98,—	83,30	78,40	73,50
	Acide cynurénique / Acido cinurénico	*2935*					
	$C_6H_4N=C(COOH)CH=COH$						
	$C_{10}H_7NO_3$ $M = 189{,}17$ g/mol						
	assay (ex N) 95%						
	Lacmoid see Resorcinol blue						
9	**Lactalbumin hydrolysate** BIOSYNTH®	WG.	250 g	32,75	27,85	26,20	24,55
	Lactalbumine hydrolysée / Lactalbúmina hidrolizada	*3502*					
5	**Lactic acid** 80% for edible purposes	PF.	1 L	24,25	20,60	19,40	18,65
	Acide lactique / Acido láctico	F.	70 kg	kg	7,70		
	$CH_3CH(OH)COOH$	*2916*					
	$C_3H_6O_3$ $M = 90{,}08$ g/mol **1 L ≈ 1,20 kg**						
4	**Lactic acid** 90—92%, chem. pure, Ph. Eur. I, Ph. Franç. IX	PF.	500 ml	17,—	14,45	13,60	13,10
	Acide lactique / Acido láctico	PF.	1 L	29,—	24,65	23,20	22,35
	$CH_3CH(OH)COOH$	PF.	2,5 L	64,50	53,55	50,30	48,40
	$C_3H_6O_3$ $M = 90{,}08$ g/mol **1 L ≈ 1,21 kg**	F.	70 kg	kg	9,90		
		2916					
12	**L(+)-Lactic acid solution** 20% in water, PROSYNTH®	FL.	100 ml	58,50	49,75	46,80	43,90
	Acide L(+)-lactique en solution / Acido L(+)-láctico en solución	*2916*					
	$CH_3CH(OH)COOH$						
	$C_3H_6O_3$ $M = 90{,}08$ g/mol **1 L ≈ 1,05 kg**						
	assay (alkalimetric) 20%						
	spec. rotation ($[\alpha]_D^{25}$, c = 20 in H_2O) ..... +2,5°						
12	**Lactic acid solution 1 mol/l** 1 N volumetric solution	FL.	1 L	20,25	17,20	16,20	15,60
	Acide lactique en solution 1 mol/l / Acido láctico en solución 1 mol/l	*3819*					
	1 L ≈ 1,03 kg						
59	**L-Lactic acid sodium salt** BIOSYNTH®	WG.	10 g	48,75	41,45	39,—	36,55
	Acide L-lactique, sel sodique / Acido L-láctico, sal sódica	*2916*					
	$CH_3CH(OH)COONa$						
	$C_3H_5NaO_3$ $M = 112{,}06$ g/mol						
54	**DL-Lactonitrile** PROSYNTH®	FL.	25 ml	17,—	14,45	13,60	12,75
/21	*DL-Lactonitrile / DL-Láctonitrilo*	*2927*					
1935 1	$CH_3CH(OH)CN$						
C	C_3H_5NO $M = 71{,}08$ g/mol **1 L ≈ 0,99 kg**						
	assay (ex N) 90%						
	boiling range (at 33 mbar) ..... 77—79 °C						
	refractive index (n_D^{20}) 1,396						
	R: 23/24/25 S: 44						
	disposal: 15						
11	**D(+)-Lactose** (milk sugar) for bacteriology	PF.	1 kg	19,—	16,15	15,20	14,65
	D(+)-Lactose / D(+)-Lactosa	*1702*					
	$C_{12}H_{22}O_{11} \cdot H_2O$ $M = 360{,}31$ g/mol						
45	**D(+)-Lactose** (milk sugar) powder Ph. Eur. I, B. P. 1973, Ph. Franç. IX	PF.	1 kg	13,25	11,25	10,60	10,20
	D(+)-Lactose / D(+)-Lactosa	PF.	2,5 kg	26,75	22,20	20,85	20,05
		S.	25 kg	price on request			
	$C_{12}H_{22}O_{11} \cdot H_2O$ $M = 360{,}31$ g/mol	FTP.	50 kg	price on request			
		1702					

Laevulose see D(−)-Fructose

Lamp, black see Charcoal activated

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18821	**Lanolin** DAB 8 *Lanoline / Lanolina* drop point ..... 36–42 °C soluble in water ..... 0,05 % loss on drying (105 °C, 2 h) ..... 0,3 % ash ..... 0,05 % hydroxyl number ..... 30 acid number ..... 0,5 saponification number ..... 95 chloride (Cl) ..... 0,002 % sulphate (SO_4) ..... 0,005 %	BL. BLT. *1505*	1 kg 50 kg	27,25 price on request	23,15	21,80	21,–
10571	**Lanthanum** lumps *Lanthane / Lantano* La M = 138,92 g/mol assay ..... 99 %	WG. *2805*	10 g	49,25	41,85	39,40	36,9
38667 A 3/3 C 3.3 1115 2 +25 °C	**0,100 g** *organo*-**Lanthanum** FIXANAL® petroleum ether-soluble standard for atom absorption *0,100 g organo-Lanthane / 0,100 g organo-Lantano* ampoule R: 10	*3819*	1 pack	33,75	28,70	27,–	25,3
31820	**Lanthanum chloride-7-hydrate** R. G. *Lanthane chlorure-7-hydrate / Lantano cloruro-7-hidrato* $LaCl_3 \cdot 7H_2O$ M = 371,37 g/mol assay ..... min. 99 % insoluble in water ..... max. 0,005 % calcium (Ca) ..... max. 0,0005 % iron (Fe) ..... max. 0,0005 % potassium (K) ..... max. 0,001 % magnesium (Mg) ..... max. 0,0005 % sodium (Na) ..... max. 0,001 % heavy metals (as Pb) ..... max. 0,0005 % sulphate (SO_4) ..... max. 0,005 %	PF. *2852*	100 g	32,50	27,65	26,–	24,4
10572 C 6.1 2811 3	**Lanthanum fluoride** *Lanthane fluorure / Lantano fluoruro* LaF_3 M = 195,90 g/mol assay ..... 99 %	WG. *2852*	10 g	42,75	36,35	34,20	32,0
31617 C 5.1 1477 2	**Lanthanum nitrate-6-hydrate** R. G., Reag. Ph. Eur. I *Lanthane nitrate-6-hydrate / Lantano nitrato-6-hidrato* $La(NO_3)_3 \cdot 6H_2O$ M = 433,01 g/mol assay ..... min. 99 % insoluble in water ..... max. 0,005 % calcium (Ca) ..... max. 0,002 % cerium (Ce) ..... max. 0,03 % iron (Fe) ..... max. 0,0005 % magnesium (Mg) ..... max. 0,002 % sodium (Na) ..... max. 0,001 % neodymium (Nd) ..... max. 0,02 % praseodymium (Pr) ..... max. 0,02 % heavy metals (as Pb) ..... max. 0,002 % chloride (Cl) ..... max. 0,002 % sulphate (SO_4) ..... max. 0,005 %	WG. PF. *2852*	25 g 100 g	11,25 37,75	9,55 32,10	9,– 30,20	8,45 28,3
31819	**Lanthanum(III) oxide** for atom-spectroscopy *Lanthane(III) oxyde / Lantano(III) óxido* La_2O_3 M = 325,81 g/mol	PF. PF. PF. *2852*	50 g 250 g 1 kg	95,– 393,– 1308,–	80,75 334,05 1111,80	76,– 314,40 1046,40	71,25 294,75 1007,15
10573	**Lanthanum(III) oxide** *Lanthane oxyde / Lantano óxido* La_2O_3 M = 325,81 g/mol assay ..... 99 %	PF. *2852*	100 g	28,25	24,–	22,60	21,20

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	Lauraldehyde PROSYNTH® *Aldéhyde laurique / Aldehido láurico* $CH_3(CH_2)_{10}CHO$ $C_{12}H_{24}O$ $M = 184{,}32$ g/mol **1 L ≈ 0,84 kg** assay (GC) ..... 98% boiling range (at 133 mbar) ..... 183—185 °C refractive index (n_D^{20}) 1,436	FL. *2911*	100 ml	30,75	26,15	24,60	23,05
5	**Lauric acid BIOSYNTH®** *Acide laurique / Acido láurico* $CH_3(CH_2)_{10}COOH$ $C_{12}H_{24}O_2$ $M = 200{,}32$ g/mol assay (GC) 99%	PF. *2914*	250 g	35,50	30,20	28,40	26,65
2	**Lauric acid PROSYNTH®** *Acide laurique / Acido láurico* $CH_3(CH_2)_{10}COOH$ $C_{12}H_{24}O_2$ $M = 200{,}32$ g/mol assay (GC) ..... 98% melting range ..... 42—44 °C	PF. *2914*	1 kg	38,25	32,50	30,60	29,45
3 21 935 1	**Lauronitrile PROSYNTH®** *Lauronitrile / Lauronitrilo* $CH_3(CH_2)_{10}CN$ $C_{12}H_{23}N$ $M = 181{,}32$ g/mol **1 L ≈ 0,82 kg** assay (GC) ..... 98% boiling range (at 13 mbar) ..... 129—131 °C refractive index (n_D^{20}) ..... 1,436 R: 20/21/22 S: 28 disposal: 15	FL. *2927*	100 ml	38,—	32,30	30,40	28,50
9 60 2	**Lauroyl chloride PROSYNTH®** *Lauroyle chlorure / Lauroílo cloruro* $CH_3(CH_2)_{10}COCl$ $C_{12}H_{23}ClO$ $M = 218{,}77$ g/mol **1 L ≈ 0,92 kg** assay (GC) ..... 99% boiling range (at 13 mbar) ..... 140—142 °C refractive index (n_D^{20}) ..... 1,446 R: 36/37/38 S: 26 disposal: 21	FL. *2914*	250 ml	36,—	30,60	28,80	27,—
	Lauryl alcohol see 1-Dodecanol						
	Laurylamine see Dodecylamine						
	Lauryl mercaptan see Dodecanethiol-(1)						
	Lauth's violet see Thionine						
2	**Lead** R. G. foil, Reag. ACS *Plomb / Plomo* Pb $M = 207{,}2$ g/mol insoluble in nitric acid ..... max. 0,02% antimony (Sb) ..... max. 0,001% arsenic (As) ..... max. 0,0001% iron (Fe) ..... max. 0,001% copper (Cu) ..... max. 0,0003% nickel (Ni) ..... max. 0,001% silver (Ag) ..... max. 0,0002% bismuth (Bi) ..... max. 0,005% tin (Sn) ..... max. 0,001%	P. *7803*	500 g	24,75	21,05	19,80	19,05

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31133	**Lead** R. G., granular, for the filling of reductors, Reag. ACS *Plomb / Plomo* Pb $M = 207{,}2$ g/mol insoluble in nitric acid ..... max. 0,02 % antimony (Sb) ..... max. 0,001 % arsenic (As) ..... max. 0,0001 % iron (Fe) ..... max. 0,001 % copper (Cu) ..... max. 0,0003 % nickel (Ni) ..... max. 0,001 % silver (Ag) ..... max. 0,0002 % bismuth (Bi) ..... max. 0,0005 % tin (Sn) ..... max. 0,001 %	PF. *7804*	500 g	27,75	23,60	22,20	21
11502	**Lead** pure granular *Plomb / Plomo* Pb $M = 207{,}2$ g/mol antimony (Sb) ..... 0,005 % arsenic (As) ..... 0,0001 % iron (Fe) ..... 0,001 % copper (Cu) ..... 0,0005 % silver (Ag) ..... 0,0003 % tin (Sn) ..... 0,005 %	PF. PF. PF. *7804*	250 g 1 kg 5 kg	17,75 33,75 126,—	15,10 28,70 104,60	14,20 27,— 98,30	13, 26, 94,
38602 A 6.1/72 C 6.1 2810 3	**0,100 g Lead** FIXANAL® water-soluble standard for atom absorption *0,100 g Plomb / 0,100 g Plomo* ampoule	*3819*	1 pack	10,25	8,70	8,20	7,
38650 A 3/3 C 3.3 1992 2 +25 °C	**0,100 g** *organo*-**Lead** FIXANAL® petroleum ether-soluble standard for atom absorption *0,100 g organo-Plomb / 0,100 g organo-Plomo* ampoule R: 10	*3819*	1 pack	33,75	28,70	27,—	25,
38555 A 6.1/72 C 6.1 2810 3	**1,00 g Lead** FIXANAL® watersoluble standard for atom absorption *1,00 g Plomb / 1,00 g Plomo* ampoule R: 22 S: 24/25	*3819*	1 pack	10,25	8,70	8,20	7,
38830 A 6.1/72 C 6.1 2810 3	**10,00 g Lead** FIXANAL® as Lead nitrate *10,00 g Plomb / 10,00 g Plomo* ampoule R: 22 S: 24/25	*3819*	1 pack	18,75	15,95	15,—	14
32306 A 6.1/72 C 6.1 • 1616 3	**Lead acetate** basic for sugar analysis according to Horne, Reag. ACS *Plomb acétate / Plomo acetato* assay of total lead (Pb) ..... min. 72 % basic lead (as PbO) ..... min. 33 % insoluble in water ..... max. 1 % insoluble in acetic acid ..... max. 0,02 % loss on drying (105 °C, 2 h) ..... max. 1,5 % alkalis and earth alkalis (as sulphates) ..... max. 0,3 % iron (Fe) ..... max. 0,002 % copper (Cu) ..... max. 0,002 % chloride (Cl) ..... max. 0,003 % nitrate (NO_3) ..... max. 0,003 % R: 20/22-33 S: 13-20/21 disposal: 26	PF. PF. FTP. *2914*	1 kg 5 kg 50 kg	22,50 86,— kg	19,15 71,40 9,75	18,— 67,10	17 64

-Number ADR E/GGVS G-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
7 72 1616 3	**Lead acetate trihydrate** R. G. Reag. ACS, Reag. ISO, Reag. Ph. Eur. I *Plomb acétate trihydrate / Plomo acetato trihidrato* $Pb(CH_3COO)_2 \cdot 3H_2O$ $C_4H_6O_4Pb \cdot 3H_2O$ $M = 379{,}33$ g/mol assay ..... 99–101 % insoluble in acetic acid ..... max. 0,005 % calcium (Ca) ..... max. 0,005 % iron (Fe) ..... max. 0,001 % potassium (K) ..... max. 0,005 % copper (Cu) ..... max. 0,001 % magnesium (Mg) ..... max. 0,005 % sodium (Na) ..... max. 0,005 % chloride (Cl) ..... max. 0,0005 % nitrate (NO_3) ..... max. 0,001 % R: 20/22-33 S: 13-20/21 disposal: 26	PF. PF. PF. FTP. *2914*	250 g 500 g 1 kg 50 kg	12,75 21,50 38,50 kg	10,85 18,30 32,75 18,–	10,20 17,20 30,80	9,55 16,55 29,65
04 /72 1616 3	**Lead acetate trihydrate** chem. pure cryst. B. P.C. 1973, N. F. X *Plomb acétate trihydrate / Plomo acetato trihidrato* $Pb(CH_3COO)_2 \cdot 3H_2O$ $C_4H_6O_4Pb \cdot 3H_2O$ $M = 379{,}33$ g/mol assay ..... 99,8 % iron (Fe) ..... 0,001 % copper (Cu) ..... 0,001 % chloride (Cl) ..... 0,001 % R: 20/22-33 S: 13-20/21 disposal: 26	PF. PF. S. S. *2914*	1 kg 5 kg 50 kg 5x	19,– 73,– kg kg	16,15 62,05 6,70 6,40	15,20 58,40	14,65 56,20
03 1/72 1 2810 3	**Lead acetate solution** basic (abt. 18 % Pb) DAB 6 *Plomb acétate en solution / Plomo acetato en solución* 1 L ≈ 1,23 kg	FL. A. *2914*	1 L 33 kg	19,25 price on request	16,35	15,40	14,80
'55 1/72 1 • 1616 3	**Lead(IV) acetate** (moistened with acetic acid glacial) PROSYNTH® *Plomb(IV) acétate / Plomo(IV) acetato* $Pb(CH_3COO)_4$ $C_8H_{12}O_8Pb$ $M = 443{,}38$ g/mol assay (iodometric) ..... 85–90 % R: 20/22-33 S: 13-20/21 disposal: 26	WG. *2914*	100 g	price on request			
	Lead acetate paper see Indicator papers and reagent papers						
512 1/72	**Lead borate** so-called, for siccatives *Plomb borate / Plomo borato* assay of lead (as PbO) ..... 76 % assay of boron (as B_2O_3) ..... 8,5 % R: 20/22-33 S: 13-20/21 disposal: 26	PF. S. *2846*	5 kg 50 kg	118,– price on request	97,95	92,05	88,50
	Lead borofluoride solution see Lead fluoroborate solution						
	Lead carbonate basic see Lead(II) hydroxide carbonate						
516 .1/72 .1 72 .1 1616 3	**Lead chloride** pure *Plomb chlorure / Plomo cloruro* $PbCl_2$ $M = 278{,}11$ g/mol assay ..... 99 % loss on drying (105 °C) ..... 1 % nitrate (NO_3) ..... 0,01 % R: 20/22-33 S: 13-20/21 disposal: 26	PF. PF. BLT. *2830*	500 g 1 kg 100 kg	10,75 19,50 price on request	9,15 16,60	8,60 15,60	8,30 15,–

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
31205 A 6.1/72	**Lead chromate** millet-size R. G. *Plomb chromate / Plomo cromato* $PbCrO_4$ $M = 323,19$ g/mol assay ..... min. 99% carbon compounds (as C) ..... max. 0,005% R: 20/22-33 S: 13-20/21 disposal: 10	PF. PF. *2847*	100 g 250 g	10,50 24,25	8,95 20,60	8,40 19,40	7,9 18,2
31320 A 6.1/72	**Lead diethyl dithiocarbamate** R. G. *Plomb diéthyldithiocarbamate / Plomo dietiloditiocarbamato* $[(C_2H_5)_2NCSS]_2Pb$ $C_{10}H_{20}N_2PbS_4$ $M = 503,74$ g/mol R: 20/22-33 S: 13-20/21 disposal: 26	WG. *2931*	100 g	price on request			
	Lead dioxide see Lead(IV) oxide						
01120 A 6.1/72 C 6.1 2291 3	**Lead fluoride** COTAL® powder *Plomb fluorure / Plomo fluoruro* PbF_2 $M = 245,20$ g/mol R: 20/22-33 S: 13-20/21 disposal: 27	PF. PF. FTP. *2829*	100 g 500 g 25 kg	38,25 158,—	32,50 134,30 price on request	30,60 126,40	28,7 121,6
01119 A 6.1/72 C 6.1 2291 3	**Lead fluoride** *Plomb fluorure / Plomo fluoruro* PbF_2 $M = 245,20$ g/mol assay ..... 98% iron (Fe) ..... 0,01% sulphate (SO_4) ..... 0,05% R: 20/22-33 S: 13-20/21 disposal: 27	PF. FTP. *2829*	1 kg 50 kg	72,—	61,20 price on request	57,60	55,4
01502 A 6.1/72 C 6.1 2810 3	**Lead fluoroborate solution** 50% for electroplating *Plomb fluoroborate en solution / Plomo fluoroborato en solución* $Pb(BF_4)_2$ $M = 380,81$ g/mol 1 L ≈ 1,71 kg assay of Pb ..... 27,2—27,4% free fluoroboric acid (HBF_4) ..... 1—3% free boric acid (H_3BO_3) ..... 1—2% iron (Fe) ..... 0,002% cobalt (Co) ..... 0,0005% copper (Cu) ..... 0,0005% nickel (Ni) ..... 0,0005% zinc (Zn) ..... 0,0005% chloride (Cl) ..... 0,005% sulphate (SO_4) 0,001%	PF. STP. *2829*	2,5 L 45 kg	46,50	38,60 price on request	36,25	34,9
01406 A 6.1/72 C 6.1 2810 3	**Lead(II) fluorosilicate solution** 55% technical *Plomb(II) fluorosilicate en solution / Plomo(II) fluorosilicato en solución* $PbSiF_6$ $M = 349,28$ g/mol 1 L ≈ 2,00 kg assay ..... 55% free fluorosilicic acid (H_2SiF_6) ..... 1,5% R: 20/22-33 S: 13-20/21-24/25 disposal: 27	PF. STP. *2829*	2,5 L 50 kg	61,50	51,05 price on request	47,95	46,1
	Lead(II) hydroxide acetate see Lead acetate basic						

refer explanations

Number ADR E/GGVS E-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
2	**Lead(II) hydroxide carbonate** abt. 80% Pb, DAB 6 *Plomb(II) hydroxyde carbonate / Plomo(II) hidróxido carbonato* about $2\,PbCO_3 \cdot Pb(OH)_2$ M = abt. 775,63 g/mol assay of Pb ..... 80% soluble in water ..... 0,5% insoluble in nitric acid ..... 1% alkalis and earth alkalis (as sulphates) ..... 0,3% iron (Fe) ..... 0,005% copper (Cu) ..... 0,005% zinc (Zn) ..... 0,005% chloride (Cl) ..... 0,03% R: 20/22-33 S: 13-20/21 disposal: 26		PF. S. *2842*	1 kg 50 kg	19,50	16,60 price on request	15,60	15,—
	Lead hyposulphite see Lead(II) thiosulphate						
7 7C 72 1469 2	**Lead(II) nitrate** R. G., Reag. ACS, Reag. Ph. Eur. I *Plomb(II) nitrate / Plomo(II) nitrato* $Pb(NO_3)_2$ M = 331,21 g/mol assay ..... 99–101% insoluble in water ..... max. 0,005% calcium (Ca) ..... max. 0,005% iron (Fe) ..... max. 0,0005% potassium (K) ..... max. 0,005% copper (Cu) ..... max. 0,0005% magnesium (Mg) ..... max. 0,005% sodium (Na) ..... max. 0,005% chloride (Cl) ..... max. 0,0005% R: 20/22-33 S: 13-20/21 disposal: 26		PF. PF. PF. *2839*	250 g 500 g 1 kg	11,50 17,— 31,—	9,80 14,45 26,35	9,20 13,60 24,80	8,65 13,10 23,85
0 7C 72 1469 2	**Lead(II) nitrate** chem. pure cryst. *Plomb(II) nitrate / Plomo(II) nitrato* $Pb(NO_3)_2$ M = 331,21 g/mol assay ..... 99,5% insoluble in water ..... 0,01% iron (Fe) ..... 0,001% chloride (Cl) ..... 0,001% R: 20/22-33 S: 13-20/21 disposal: 26		PF. PF. FTP. *2839*	500 g 1 kg 50 kg	11,75 21,50	10,— 18,30 price on request	9,40 17,20	9,05 16,55
1 7C 72 1469 2	**Lead(II) nitrate** pure cryst. *Plomb(II) nitrate / Plomo(II) nitrato* $Pb(NO_3)_2$ M = 331,21 g/mol assay ..... 99,5% insoluble in water ..... 0,01% iron (Fe) ..... 0,003% chloride (Cl) ..... 0,003% R: 20/22-33 S: 13-20/21 disposal: 26		PF. PF. FTP. *2839*	1 kg 5 kg 50 kg	19,75 74,—	16,80 61,40 price on request	15,80 57,70	15,20 55,50
2 7C 72 1469 2	**Lead(II) nitrate** technical cryst. *Plomb(II) nitrate / Plomo(II) nitrato* $Pb(NO_3)_2$ M = 331,21 g/mol assay ..... 99% insoluble in water ..... 0,02% iron (Fe) ..... 0,005% chloride (Cl) ..... 0,005% R: 20/22-33 S: 13-20/21 disposal: 26		PF. FTP. *2839*	5 kg 50 kg	68,—	56,45 price on request	53,05	51,—

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31138 A 6.1/72	**Lead(II) oxide** R. G., Reag. Ph. Eur. I *Plomb(II) oxyde / Plomo(II) óxido* PbO *M* = 223,20 g/mol assay ..... min. 99% loss on igniton (900 °C) ..... max. 0,2% insoluble in acetic acid ..... max. 0,025% alkalis and earth alkalis (as sulphates) ..... max. 0,3% iron (Fe) ..... max. 0,002% copper (Cu) ..... max. 0,001% silver (Ag) ..... max. 0,0005% bismuth (Bi) ..... max. 0,005% chloride (Cl) ..... max. 0,002% total nitrogen (N) ..... max. 0,001% R: 20/22-33 S: 13-20/21 disposal: 26	PF. PF. PF. *2827*	100 g 250 g 1 kg	10,— 23,— 74,50	8,50 19,55 63,35	8,— 18,40 59,60	
11526 A 6.1/72	**Lead(II) oxide** DAC *Plomb(II) oxyde / Plomo(II) óxido* PbO *M* = 223,20 g/mol assay ..... 99% loss on ignition (900 °C) ..... 0,5% insoluble in acetic acid ..... 0,5% iron (Fe) ..... 0,005% copper (Cu) ..... 0,0005% silver (Ag) ..... 0,001% zinc (Zn) ..... 0,0005% chloride (Cl) ..... 0,005% R: 20/22-33 S: 13-20/21 disposal: 26	PF. PF. S. *2827*	1 kg 5 kg 50 kg	19,75 76,50 price on request	16,80 63,50	15,80 59,65	1 5
31150 A 6.1/72	**Lead(II,IV) oxide** R. G. *Plomb(II,IV) oxyde / Plomo(II,IV) óxido* Pb_3O_4 *M* = 685,60 g/mol assay ..... min. 95% insoluble in acid ..... max. 0,1% soluble in water ..... max. 0,1% loss on drying (105 °C, 2 h) ..... max. 0,1% manganese (Mn) ..... max. 0,001% substances not precipitated by hydrogen sulphide (as sulphats) ..... max. 0,5% chloride (Cl) ..... max. 0,001% sulphate (SO_4) ..... max. 0,005% R: 20/22-33 S: 13-20/21 disposal: 26	PF. *2827*	250 g	14,—	11,90	11,20	1
11536 A 6.1/72	**Lead(II,IV) oxide** DAB 6 *Plomb(II,IV) oxyde / Plomo(II,IV) óxido* Pb_3O_4 *M* = 685,60 g/mol assay ..... 96% insoluble in nitric acid-hydrogen peroxide ..... 0,1% substances not precipitated by hydrogen sulphide (as sulphats) ..... 0,2% R: 20/22-33 S: 13-20/21 disposal: 26	PF. PF. S. *2827*	1 kg 5 kg 50 kg	20,25 76,50 price on request	17,20 63,50	16,20 59,65	1 5
31142 A 6.1/72 C 5.1 1872 3	**Lead(IV) oxide** (max. 0,0005% Mn) R. G. *Plomb(IV) oxyde / Plomo(IV) óxido* PbO_2 *M* = 239,20 g/mol assay ..... min. 99% insoluble in acid ..... max. 0,05% iron (Fe) ..... max. 0,03% carbon (C) ..... max. 0,005% copper (Cu) ..... max. 0,001% manganese (Mn) ..... max. 0,0005% chloride (Cl) ..... max. 0,02% sulphate (SO_4) ..... max. 0,003% total nitrogen (N) ..... max. 0,005% R: 20/22-33 S: 13-20/21 disposal: 26	PF. PF. PF. *2827*	100 g 250 g 1 kg	17,— 38,25 128,—	14,45 32,50 108,80	13,60 30,60 102,40	1 2 9

ode-Number RID/ADR GGVE/GGVS IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
1554 6.1/72 5.1 1872 3	**Lead(IV) oxide** chem. pure heavy *Plomb(IV) oxyde / Plomo(IV) óxido* PbO_2 $M = 239{,}20$ g/mol assay ..... 99,5% insoluble in nitric acid-hydrogen peroxide ..... 0,1% loss on drying (105 °C, 2 h) ..... 0,02% **alkalis and earth alkalis (as sulphates)** ..... 0,5% other heavy metals (as Cu) ..... 0,01% carbonate (as CO_2) ..... 0,05% chloride (Cl) ..... 0,005% nitrate (NO_3) ..... 0,005% sulphate (SO_4) ..... 0,005% pour weight ..... 3000 g/l R: 20/22-33 S: 13-20/21 disposal: 26	PF. BLT. *2827*	1 kg 50 kg	59,50 price on request	50,60	47,60	45,80
1527 6.1/72 5.1 1872 3	**Lead(IV) oxide** pure *Plomb(IV) oxyde / Plomo(IV) óxido* PbO_2 $M = 239{,}20$ g/mol assay ..... 99% insoluble in hydrochloric acid ..... 0,2% loss on drying (105 °C, 2 h) ..... 0,5% chloride (Cl) ..... 0,01% sulphate (SO_4) ..... 0,005% granulation finer than 0,15 mm ..... 100% R: 20/22-33 S: 13-20/21 disposal: 26	PF. PF. BLT. *2827*	500 g 1 kg 50 kg	19,— 34,50 price on request	16,15 29,35	15,20 27,60	14,65 26,55
11528 A 6.1/72 C 5.1 1872 3	**Lead(IV) oxide** technical *Plomb(IV) oxyde / Plomo(IV) óxido* PbO_2 $M = 239{,}20$ g/mol assay ..... 97% insoluble in hydrochloric acid ..... 0,3% loss on drying (105 °C, 2 h) ..... 0,3% granulation finer than 0,15 mm ..... 98% R: 20/22-33 S: 13-20/21 disposal: 26	PF. BLT. *2827*	5 kg 100 kg	131,— price on request	108,75	102,20	98,25
11565 A 6.1/72 C 5.1 1872 3	**Lead(IV) oxide** standardised for Thiokol® hardening HC 1 *Plomb(IV) oxyde / Plomo(IV) óxido* ® = trade mark of Thiokol Co. PbO_2 $M = 239{,}20$ g/mol R: 20/22-33 S: 13-20/21 disposal: 26	PF. BLT. *2827*	1 kg 100 kg	35,— price on request	29,75	28,—	26,95
11567 A 6.1/72 C 5.1 1872 3	**Lead(IV) oxide** standardised for Thiokol® hardening HC 3 *Plomb(IV) oxyde / Plomo(IV) óxido* ® = trade mark of Thiokol Co. PbO_2 $M = 239{,}20$ g/mol R: 20/22-33 S: 13-20/21 disposal: 26	PF. BLT. *2827*	1 kg 100 kg	35,— price on request	29,75	28,—	26,95
11570 A 6.1/72 C 5.1 1872 3	**Lead(IV) oxide** standardised for Thiokol® hardening HC 6 *Plomb(IV) oxyde / Plomo(IV) óxido* ® = trade mark of Thiokol Co. PbO_2 $M = 239{,}20$ g/mol R: 20/22-33 S: 13-20/21 disposal: 26	PF. BLT. *2827*	1 kg 100 kg	35,— price on request	29,75	28,—	26,95

Lead peroxide see Lead(IV) oxide

Lead siccative see Lead borate

Lead silicofluoride solution see Lead(II) fluorosilicate solution

MERGAL® highly effective preservatives and fungicides

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26406 A 6.1/72	**Lead stearate** 28% Pb *Plomb stéarate / Plomo estearato*	PF. *2914*	1 kg	20,25	17,20	16,20	15,60
11581 A 6.1/72 C 6.1 2810 3	**Lead(II) sulphamate solution** 50% *Plomb(II) sulfamate en solution / Plomo(II) sulfamato en solución* $Pb(SO_3NH_2)_2$ *M* = 399,37 g/mol assay ..... 49–52% assay of Pb ..... 25,4–27,0% iron (Fe) ..... 0,01% copper (Cu) ..... 0,001% chloride (Cl) ..... 0,01% sulphate (SO_4) ..... 0,01% R: 20/22-33 S: 13-20/21 disposal: 26	PF. FPF. *2914*	1 L 50 kg	price on request price on request			
11531 A 6.1/72	**Lead(II) sulphate** chem. pure *Plomb(II) sulfate / Plomo(II) sulfato* $PbSO_4$ *M* = 303,26 g/mol assay ..... 99% insoluble in ammonium acetate ..... 0,1% loss on ignition (600 °C) ..... 0,5% matters not precipitated by hydrogen sulphide (as sulphates) ..... 0,1% chloride (Cl) ..... 0,002% total nitrogen (N) ..... 0,002% R: 20/22-33 S: 13-20/21 disposal: 26	PF. PF. FTP. *2838*	500 g 1 kg 50 kg	24,75 45,– price on request	21,05 38,25	19,80 36,–	19,05 34,65
	Lead superoxide see Lead(IV) oxide						
11533 A 6.1/72 B 6.1 72 C 6.1 2291 3	**Lead thiocyanate** *Plomb thiocyanate / Plomo tiocianato* $Pb(SCN)_2$ *M* = 323,37 g/mol R: 20/22-33 S: 13-20/21 disposal: 26	PF. *2844*	100 g	19,25	16,35	15,40	14,45
11535 A 6.1/72	**Lead(II) thiosulphate** *Plomb(II) thiosulfate / Plomo(II) tiosulfato* PbS_2O_3 *M* = 319,33 g/mol assay ..... 97% alkalis and earth alkalis (as sulphates) ..... 0,3% R: 20/22-33 S: 13-20/21 disposal: 26	PF. BLT. *2837*	500 g 100 kg	17,75 price on request	15,10	14,20	13,65
	Leishmann's reagent see Eosine yellowish						
35905	**Lenacile** min. 99% PESTANAL® $C_{13}H_{18}N_2O_2$ *M* = 234,30 g/mol	FL. *2935*	1 g	42,–	35,70	33,60	31,50
	Lepidon see 2-Hydroxy-4-methylquinoline						
39020	**D(–)-Leucine** BIOSYNTH® *D(–)-Leucine / D(–)-Leucina* $(CH_3)_2CHCH_2CH(NH_2)COOH$ $C_6H_{13}NO_2$ *M* = 131,17 g/mol assay (ex N) ..... 99% specific rotation ($[\alpha]_D^{20}$; c = 2 in HCl 6 mol/l) . –14° ± 1°	WG. *2923*	5 g	61,50	52,30	49,20	46,15
39192	**DL-Leucine** BIOSYNTH® *DL-Leucine / DL-Leucina* $(CH_3)_2CHCH_2CH(NH_2)COOH$ $C_6H_{13}NO_2$ *M* = 131,17 g/mol assay (ex N) 99%	PF. *2923*	25 g	23,50	20,–	18,80	17,65

de-Number RID/ADR GGVE/GGVS IMDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
017	**DL-*iso*-Leucine** BIOSYNTH® *DL-iso-Leucine / DL-iso-Leucina* $CH_3CH_2CH(CH_3)CH(NH_2)COOH$ $C_6H_{13}NO_2$ $M = 131{,}17$ g/mol assay (ex N) 99%	PF. 2923	25 g	70,—	59,50	56,—	52,50
019	**L(+)-Leucine** BIOSYNTH® *L(+)-Leucine / L(+)-Leucina* $(CH_3)_2CHCH_2CH(NH_2)COOH$ $C_6H_{13}NO_2$ $M = 131{,}17$ g/mol specific rotation ($[\alpha]_D^{20}$; c = 2 in HCl 6 mol/l) $+14{,}5° \pm 1°$	PF. 2923	50 g	23,—	19,55	18,40	17,25
9018	**L(+)-*iso*-Leucine** BIOSYNTH® *L(+)-iso-Leucine / L(+)-iso-Leucina* $CH_3CH_2CH(CH_3)CH(NH_2)COOH$ $C_6H_{13}NO_2$ $M = 131{,}17$ g/mol assay (ex N) ..... 99,5% specific rotation ($[\alpha]$ (n_D^{20}); c = 2 in HCl 5 mol/l) $+39° \pm 2°$	WG. 2923	10 g	21,50	18,30	17,20	16,15
9090	**L-Leucine methyl ester hydrochloride** BIOSYNTH® *Méthyle L-leucinate chlorhydrate / Metilo L-leucinato clorhidrato* $(CH_3)_2CHCH_2CH(NH_2)COOCH_3 \cdot HCl$ $C_7H_{16}ClNO_2$ $M = 181{,}66$ g/mol melting range ..... 150—151 °C specific rotation ($[\alpha]_D^{20}$; c = 5 in CH_3OH) .... $+20° \pm 1°$ keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	WG. 2923	10 g	38,25	32,50	30,60	28,70
9091	**L-*iso*-Leucine methyl ester hydrochloride** BIOSYNTH® *Méthyle L-so-leucinate chlorhydrate / Metilo L-so-leucinato clorhidrato* $CH_3CH_2CH(CH_3)CH(NH_2)COOCH_3 \cdot HCl$ $C_7H_{16}ClNO_2$ $M = 181{,}66$ g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	FL. 2923	1 g	113,50	96,50	90,80	85,15
63594	**Levulinic acid** PROSYNTH® *Acide lévulique / Acido levulínico* $CH_3COCH_2CH_2COOH$ $C_5H_8O_3$ $M = 116{,}12$ g/mol **1 L ≈ 1,15 kg** assay (alkalimetric) ..... 98% boiling range (at 11 mbar) ..... 137—139 °C refractive index (n_D^{20}) 1,439	FL. 2916	250 ml	27,25	23,15	21,80	20,45
28608	**Light green SF** yellow XX (C. I. No. 42095, S. No. 765) *Vert clair SF / Verde luz SF*	WG. 3205	100 g	104,—	88,40	83,20	78,—
	Light protection agent see UV Absorber HMB "Riedel"						
	Ligroine see Petroleum ether						
63596 A 3/4 C 3.3 1987 2 +56 °C	**Linalool** PROSYNTH® *Linalol / Linalol* $(CH_3)_2C=CHCH_2CH_2C(OH)(CH_3)CH=CH_2$ $C_{10}H_{18}O$ $M = 154{,}25$ g/mol **1 L ≈ 0,86 kg** assay (GC) ..... 96% boiling range ..... 197—200 °C refractive index (n_D^{20}) 1,462	FL. 2904	100 ml	23,50	20,—	18,80	17,65
35734 A 6.1/82B2 C 6.1 1615 3	**Lindane** min. 99% PESTANAL® (γ-1,2,3,4,5,6-Hexachlorocyclohexane) $C_6H_6Cl_6$ $M = 290{,}83$ g/mol R: 23/24/25-36/38 S: 2-13-44 disposal: 7	FL. 2902	1 g	21,50	18,30	17,20	16,15

PANPEHA® universal indicator paper in strips

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
65039	**Linoleic acid** PROSYNTH® *Acide linolique / Acido linólico* $CH_3(CH_2)_3(CH_2CH=CH)_2(CH_2)_7COOH$ $C_{18}H_{32}O_2$ M = 280,45 g/mol 1 L ≈ 0,90 kg assay (GC) ..... 93% keep in refrigerator à stocker dans le refrigidaire almacenaje en la nevera	FL. *2914*	5 ml	29,50	25,10	23,60	22,15
39180	**Linolenic acid** BIOSYNTH® *Acide linoléinique / Acido linoléinico* $CH_3(CH_2CH=CH)_3(CH_2)_7COOH$ $C_{18}H_{30}O_2$ M = 278,43 g/mol assay (GC) 99%	WG. *2914*	1 g	27,25	23,15	21,80	20,45
35735	**Linuron** min. 99% PESTANAL® [3-(3,4-Dichlorophenyl)-1-methoxy-1-methylurea] $Cl_2C_6H_3NHCON(CH_3)OCH_3$ $C_9H_{10}Cl_2N_2O_2$ M = 249,10 g/mol R: 38 S: 2-13 disposal: 7	FL. *2925*	1 g	18,—	15,30	14,40	13,50
	Liquid ammonia see Ammonia solution						
	Litharge see Lead(II) oxide						
13062 A 4.3/1A C 4.3 1415 2	**Lithium** *Lithium / Litio* tin of abt. 100 g Li M = 6,94 g/mol assay ..... 99,5% calcium (Ca) ..... 0,05% iron (Fe) ..... 0,02% potassium (K) ..... 0,01% sodium (Na) ..... 0,5% R: 14-15-34 S: 8-43A disposal: 28	*2805*	1 pack	58,—	49,30	46,40	43,50
38623	**0,100 g Lithium** FIXANAL® water-soluble standard for atom absorption *0,100 g Lithium / 0,100 g Litio* ampoule	*3819*	1 pack	10,25	8,70	8,20	7,70
38658 A 3/3 C 3.3 1115 2 +25 °C	**0,100 g** *organo*-**Lithium** FIXANAL® petroleum ether-soluble standard for atom absorption *0,100 g organo-Lithium / 0,100 g organo-Litio* R: 10 ampoule	*3819*	1 pack	33,75	28,70	27,—	25,30
38565	**1,00 g Lithium** FIXANAL® watersoluble standard for atom absorption *1,00 g Lithium / 1,00 g Litio* ampoule	*3819*	1 pack	10,25	8,70	8,20	7,70
	Lithium alanate see Lithium aluminium hydride						
	Lithium aluminium deuteride see Lithium aluminium hydride-D_4						
13050 A 4.3/2B C 4.3 1410 1	**Lithium aluminium hydride** (Lithium alanate) *Lithium-aluminium hydrure / Litio y aluminio hidruro* tin of abt. 10 g $Li(AlH_4)$ M = 37,95 g/mol assay ..... 96% chloride (Cl) ..... 0,8% R: 15 S: 7/8-24/25-43A disposal: 28	*2857*	1 pack	14,—	11,90	11,20	10,50

Number DR VGGVS CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
3 410 1	**Lithium aluminium hydride** (Lithium alanate) *Lithium-aluminium hydrure / Litio y aluminio hidruro* tin of abt. 100 g $Li(AlH_4)$ $M = 37,95$ g/mol assay ..... 96% chloride (Cl) ..... 0,8% R: 15 S: 7/8-24/25-43A disposal: 28	*2857*	1 pack	100,—	85,—	80,—	75,—
0 2B 410 1	**Lithium aluminium hydride-d$_4$** deuteration degree not less than 99 atom % D *Lithium-aluminium hydrure-d$_4$ / Litio y aluminio hidruro-d$_4$* $LiAlD_4$ $M = 41,92$ g/mol R: 15 S: 7/8-24/25-43A disposal: 28	FL. *2851*	5 g	107,—	90,95	85,60	80,25
0 2B 1409 1	**Lithium aluminium-tri-*tert.*-butoxyhydride** PROSYNTH® *Lithium-aluminium-tri-tert.-butoxyhydrure / Litio y aluminio-tri-terc.-butoxihidruro* $LiAl[OC(CH_3)_3]_3$ $C_{12}H_{27}AlLiO_3$ $M = 253,27$ g/mol assay ..... 90% R: 15 S: 7/8-24/25-43A disposal: 28	WG. *2945*	10 g	16,—	13,60	12,80	12,—
4 3 1412 2	**Lithium amide** PROSYNTH® *Lithium amidure / Litio amida* H_2LiN $M = 22,96$ g/mol assay 93%	BL. *2858*	100 g	35,25	29,95	28,20	26,45
07	**Lithium benzoate** pure Erg. B. 6 *Lithium benzoate / Litio benzoato* C_6H_5COOLi $C_7H_5LiO_2$ $M = 128,06$ g/mol assay ..... 99% pH (5%, 20 °C) ..... 6—7 iron (Fe) ..... 0,002% heavy metals (as Pb) ..... 0,002% chloride (Cl) ..... 0,005% sulphate (SO_4) 0,02%	PF. PF. FTP. *2914*	1 kg 2,5 kg 50 kg	35,— 74,50	29,75 61,85 price on request	28,— 58,10	26,95 55,90
25 3/2B 3 1413 1	**Lithium borohydride** PROSYNTH® *Lithium borohydrure / Litio borohidruro* $LiBH_4$ $M = 21,78$ g/mol assay ..... 95% R: 15 S: 7/8-24/25-43A disposal: 28	BL. *2857*	10 g	80,—	68,—	64,—	60,—

PEHANAL® universal indicator paper in rolls

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	(16
13008	**Lithium bromide** exsiccated *Lithium bromure / Litio bromuro* LiBr *M* = 86,84 g/mol assay ..... 99,4 % loss on drying (400 °C) ..... 0,4 % calcium (Ca) ..... 0,002 % iron (Fe) ..... 0,001 % potassium (K) ..... 0,03 % magnesium (Mg) ..... 0,001 % sodium (Na) ..... 0,03 % chloride (Cl) ..... 0,1 % sulphate (SO_4) ..... 0,01 %	PF. PF. *2830*	100 g 500 g	9,50 29,25	8,10 24,85	7,60 23,40	
65040 B 4.1/12A C 4.1 1325 2	**Lithium** *tert.*-**butylate** PROSYNTH® *Lithium tert.-butylate / Litio terc.-butilato* $(CH_3)_3COLi$ C_4H_9LiO *M* = 80,05 g/mol assay (GC) ..... 97 % R: 11-14-34 S: 8-16-26-43 disposal: 28	WG. *2945*	5 g	49,50	42,10	39,60	3
31485	**Lithium carbonate** R. G., Reag. ACS *Lithium carbonate / Litio carbonato* Li_2CO_3 *M* = 73,89 g/mol assay ..... min. 99 % insoluble in hydrochloric acid ..... max. 0,01 % ammonium (NH_4) ..... max. 0,0005 % calcium (Ca) ..... max. 0,005 % iron (Fe) ..... max. 0,001 % potassium (K) ..... max. 0,005 % magnesium (Mg) ..... max. 0,001 % sodium (Na) ..... max. 0,005 % heavy metals (as Pb) ..... max. 0,001 % chloride (Cl) ..... max. 0,005 % nitrate (NO_3) ..... max. 0,0005 % sulphur compounds (as SO_4) ..... max. 0,005 %	PF. *2842*	250 g	39,25	33,35	31,40	2
13009	**Lithium carbonate** *Lithium carbonate / Litio carbonato* Li_2CO_3 *M* = 73,89 g/mol assay ..... 99,5 % arsenic (As) ..... 0,0001 % calcium (Ca) ..... 0,01 % iron (Fe) ..... 0,0005 % potassium (K) ..... 0,002 % magnesium (Mg) ..... 0,005 % sodium (Na) ..... 0,001 % heavy metals (as Pb) ..... 0,001 % chloride (Cl) ..... 0,001 % sulphate (SO_4) ..... 0,01 %	PF. PF. FTP. *2842*	250 g 1 kg 50 kg	26,— 86,50 price on request	22,10 73,55	20,80 69,20	1 6
13010	**Lithium carbonate** pure *Lithium carbonate / Litio carbonato* Li_2CO_3 *M* = 73,89 g/mol assay ..... 99,5 % calcium (Ca) ..... 0,03 % iron (Fe) ..... 0,001 % potassium (K) ..... 0,002 % magnesium (Mg) ..... 0,01 % sodium (Na) ..... 0,02 % heavy metals (as Pb) ..... 0,002 % chloride (Cl) ..... 0,02 % sulphate (SO_4) ..... 0,15 %	PF. PF. FTP. *2842*	1 kg 5 kg 50 kg	50,— 210,— price on request	42,50 174,30	40,— 163,80	3 15

refer explanations

Number ADR E/GGVS S-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	Lithium chloride R. G. *Lithium chlorure / Litio cloruro* LiCl $M = 42{,}39$ g/mol assay ..... min. 99% insoluble in water ..... max. 0,01% pH (5%, 20 °C) ..... 5–7 barium (Ba) ..... max. 0,002% calcium (Ca) ..... max. 0,005% iron (Fe) ..... max. 0,0005% potassium (K) ..... max. 0,01% magnesium (Mg) ..... max. 0,002% sodium (Na) ..... max. 0,01% heavy metals (as Pb) ..... max. 0,0005% sulphate (SO_4) ..... max. 0,005%	PF. PF. *2830*	100 g 1 kg	16,50 116,50	14,05 99,05	13,20 93,20	12,40 89,70
3	**Lithium chloride** Erg. B. 6 *Lithium chlorure / Litio cloruro* LiCl $M = 42{,}39$ g/mol assay ..... 99% calcium (Ca) ..... 0,005% iron (Fe) ..... 0,001% potassium (K) ..... 0,01% sodium (Na) ..... 0,02% heavy metals (as Pb) ..... 0,001% sulphate (SO_4) 0,005%	PF. PF. PF. FTP. *2830*	100 g 250 g 1 kg 25 kg	11,75 26,50 89,50	10,— 22,55 76,10 price on request	9,40 21,20 71,60	8,80 19,90 68,90
4	**Lithium chloride** *Lithium chlorure / Litio cloruro* LiCl $M = 42{,}39$ g/mol assay ..... 99% calcium (Ca) ..... 0,005% iron (Fe) ..... 0,001% potassium (K) ..... 0,01% sodium (Na) ..... 0,02% heavy metals (as Pb) ..... 0,001% sulphate (SO_4) 0,005%	PF. PF. FTP. *2830*	500 g 1 kg 25 kg	35,— 64,50	29,75 54,85 price on request	28,— 51,60	26,95 49,65
55 /2B 1414 1	**Lithium deuteride** deuteration degree not less than 99 atom % D *Lithium deutériure / Litio deuteruro* DLi $M = 8{,}94$ g/mol R: 15 S: 7/8-24/25-43A disposal: 28	A. *2851*	5 g	56,—	47,60	44,80	42,—
41 2811 3	**Lithium fluoride** COTAL® fine cryst. *Lithium fluorure / Litio fluoruro* LiF $M = 25{,}94$ g/mol R: 23/24/25 S: 1/2-26-44 disposal: 27	PF. *2829*	100 g	57,—	48,45	45,60	42,75
40 l 2811 3	**Lithium fluoride** pure *Lithium fluorure / Litio fluoruro* LiF $M = 25{,}94$ g/mol assay ..... 99,5% loss on ignition (400 °C) ..... 0,5% iron (Fe) ..... 0,005% chloride (Cl) ..... 0,005% sulphate (SO_4) ..... 0,05% R: 23/24/25 S: 1/2-26-44 disposal: 27	PF. PF. FTP. *2829*	100 g 1 kg 50 kg	11,75 85,50	10,— 72,70 price on request	9,40 68,40	8,80 65,85
'56 1 2811 3	**Lithium hexafluoroaluminate** *Lithium hexafluoroaluminate / Litio hexafluoroaluminato* Li_3AlF_6 $M = 161{,}79$ g/mol assay of Al ..... 15–17% assay of Li ..... 12–13% assay of F 65–70%	PF. S. *2829*	1 kg 50 kg		price on request price on request		

PESTANAL® high purity pesticides, metabolites and solvents

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62726 A 4.3/2B C 4.3 1414 1	**Lithium hydride** PROSYNTH® *Lithium hydrure / Litio hidruro* HLi *M* = 7,95 g/mol assay ..... 98 % R: 15 S: 7/8-24/25-43A disposal: 28	PF. *2857*	100 g	64,—	54,40	51,20	48,—
	Lithium hydride-D see Lithium deuteride						
31406	**Lithium hydroxide-1-hydrate** R. G. *Lithium hydroxyde-1-hydrate / Litio hidróxido-1-hidrato* $LiOH \cdot H_2O$ *M* = 41,96 g/mol assay ..... min. 98 % assay of Li_2CO_3 ..... max. 1 % insoluble in acid ..... max. 0,01 % calcium (Ca) ..... max. 0,005 % iron (Fe) ..... max. 0,0005 % potassium (K) ..... max. 0,01 % sodium (Na) ..... max. 0,01 % heavy metals (as Pb) ..... max. 0,001 % chloride (Cl) ..... max. 0,005 % sulphate (SO_4) ..... max. 0,005 % R: 35 S: 2-26-37/39 disposal: 3	PF. PF. *2828*	250 g 1 kg	28,75 96,50	24,45 82,05	23,— 77,20	21,5 74,3
13020	**Lithium hydroxide-1-hydrate** *Lithium hydroxyde-1-hydrate / Litio hidróxido-1-hidrato* $LiOH \cdot H_2O$ *M* = 41,96 g/mol assay of LiOH ..... 55 % assay of Li_2CO_3 ..... 0,5 % calcium (Ca) ..... 0,005 % iron (Fe) ..... 0,001 % potassium (K) ..... 0,05 % sodium (Na) ..... 0,05 % chloride (Cl) ..... 0,02 % sulphate (SO_4) ..... 0,02 % R: 35 S: 2-26-37/39 disposal: 3	PF. PF. PF. FTP. *2828*	100 g 500 g 1 kg 100 kg	10,— 30,75 56,50 price on request	8,50 26,15 48,05	8,— 24,60 45,20	7,5 23,7 43,5
13023 C 5.1 1477 2	**Lithium nitrate** *Lithium nitrate / Litio nitrato* $LiNO_3$ *M* = 68,95 g/mol assay ..... 95 % calcium (Ca) ..... 0,005 % iron (Fe) ..... 0,001 % potassium (K) ..... 0,05 % sodium (Na) ..... 0,01 % heavy metals (as Pb) ..... 0,001 % chloride (Cl) ..... 0,005 % sulphate (SO_4) ..... 0,2 %	PF. PF. PF. *2839*	100 g 500 g 1 kg	10,75 40,— 74,—	9,15 34,— 62,90	8,60 32,— 59,20	8,0 30,8 57,—
31500 A 5.1/4B C 5.1 1481 2	**Lithium perchlorate** R.G. *Lithium perchlorate / Litio perclorato* $LiClO_4$ *M* = 106,39 g/mol	BL. *2832*	250 g	56,—	47,60	44,80	42,—
31486	**Lithium sulphate-1-hydrate** R. G. *Lithium sulfate-1-hydrate / Litio sulfato-1-hidrato* $Li_2SO_4 \cdot H_2O$ *M* = 127,96 g/mol assay ..... min. 99 % insoluble in water ..... max. 0,005 % calcium (Ca) ..... max. 0,005 % iron (Fe) ..... max. 0,0005 % potassium (K) ..... max. 0,005 % magnesium (Mg) ..... max. 0,002 % sodium (Na) ..... max. 0,005 % heavy metals (as Pb) ..... max. 0,0005 % chloride (Cl) ..... max. 0,002 % total nitrogen (N) ..... max. 0,002 %	PF. *2838*	250 g	27,—	22,95	21,60	20,2

refer explanations

mber GVS DDE (GGVSee)	Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
Lithium sulphate-1-hydrate *Lithium sulfate-1-hydrate / Litio sulfato-1-hidrato* $Li_2SO_4 \cdot H_2O$ $M = 127{,}96$ g/mol assay ..... 98 % calcium (Ca) ..... 0,005 % iron (Fe) ..... 0,002 % potassium (K) ..... 0,05 % sodium (Na) ..... 0,01 % heavy metals (as Pb) ..... 0,001 % chloride (Cl) ..... 0,002 %	PF. PF. PF. *2838*	100 g 500 g 1 kg	10,75 34,75 64,50	9,15 29,55 54,85	8,60 27,80 51,60	8,05 26,75 49,65
Lithium tetraborate R. G., anhydrous *Lithium tétraborate / Litio tetraborato* $Li_2B_4O_7$ $M = 169{,}12$ g/mol assay ..... min. 98 % calcium (Ca) ..... max. 0,005 % iron (Fe) ..... max. 0,001 % heavy metals (as Pb) ..... max. 0,002 % chloride (Cl) ..... max. 0,005 % phosphate (PO_4) ..... max. 0,002 % sulphate (SO_4) ..... max. 0,005 %	PF. *2846*	500 g	77,50	65,90	62,—	59,70
Lithium tetraborate anhydrous for X-ray fluorescence analysis *Lithium tétraborate / Litio tetraborato* $Li_2B_4O_7$ $M = 169{,}12$ g/mol assay ..... min. 99 % loss on ignition ..... max. 0,005 % calcium (Ca) ..... max. 0,005 % iron (Fe) ..... max. 0,0005 % potassium (K) ..... max. 0,002 % magnesium (Mg) ..... max. 0,0002 % sodium (Na) ..... max. 0,002 % heavy metals (as Pb) ..... max. 0,002 % chloride (Cl) ..... max. 0,005 % phosphate (PO_4) ..... max. 0,002 % sulphate (SO_4) ..... max. 0,005 %	PF. PF. *2846*	100 g 1 kg	16,25 125,50	13,80 106,70	13,— 100,40	12,20 96,65
Lithium tetrahydridoaluminate see Lithium aluminium hydride						
Litmus *Tournesol / Tornasol*	PF. PF. *3204*	100 g 500 g	41,— 169,—	34,85 143,65	32,80 135,20	30,75 130,15
Litmus paper see Indicator and reagent papers						
Litmus solution according to Kubel and Tiemann *Tournesol en solution / Tornasol en solución* 1 L ≈ 1,00 kg	FL. FL. *3204*	250 ml 1 L	11,25 28,75	9,55 24,45	9,— 23,—	8,45 22,15
Liver of sulphur see Potassium polysulphide						
Löffler's solution see Methylene blue solution acc. to Löffler						
Lophin see 2,4,5-Triphenylimidazole						
Lugol's solution see Iodine potassium iodide solution according to Lugol						

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	LUMILUX® **Luminous Pigments** **Range of Products** LUMILUX® phosphors for accident prevention and safety at work LUMILUX® phosphors for instrument marking and dial illumination LUMILUX® phosphors for black and white and colour TV LUMILUX® phosphors for other cathode-ray tubes LUMILUX® phosphors for electro luminescence LUMILUX® phosphors for X-ray and isotope techniques LUMILUX® phosphors for high- and low-pressure mercury lamps LUMILUX® phosphors for security marking, coding and automatic sorting LUMILUX® phosphors for various other purposes eg. Inquiries will be welcome.						
	Luminous Pigments see LUMILUX®						
39636	**Lutensol® AP 20** for gas chromatography trade mark of BASF AG working temperature ..... 30 to 250 °C	WG. *3402*	50 g	43,75	37,20	35,–	
10574	**Lutetium** lumps *Lutétium / Lutecio* Lu M = 174,97 g/mol assay 99%	WG. *2805*	1 g	257,–	218,45	205,60	1
10575 C 6.1 2811 3	**Lutetium fluoride** *Lutétium fluorure / Lutecio fluoruro* LuF_3 M = 231,97 g/mol assay 99%	FL. *2852*	1 g	285,–	242,25	228,–	2
10576	**Lutetium oxide** *Lutétium oxyde / Lutecio óxido* Lu_2O_3 M = 397,94 g/mol assay 99%	FL. *2852*	1 g	175,–	148,75	140,–	1
64145 A 3/3 C 3 3 2 +47 °C	**2,4-Lutidine** PROSYNTH® *2-4-Lutidine / 2,4-Lutidina* $N=CHCH=C(CH_3)CH=CCH_3$ C_7H_9N M = 107,15 g/mol **1 L ≈ 0,93 kg** assay (GC) ..... 97% boiling range ..... 157–159 °C refractive index (n_D^{20}) ..... 1,499 R: 10-20/21/22 disposal: 6	FL. *2935*	250 ml	34,50	29,35	27,60	
62727 A 3/3 C 3.3 1993 2 +40 °C	**2,6-Lutidine** PROSYNTH® *2-6-Lutidine / 2,6-Lutidina* $N=C(CH_3)CH=CHCH=CCH_3$ C_7H_9N M = 107,15 g/mol **1 L ≈ 0,92 kg** assay (GC) ..... 99% boiling range ..... 142–144 °C refractive index (n_D^{20}) ..... 1,498 R: 10-20/21/22 disposal: 6	FL. *2935*	500 ml	60,–	51,–	48,–	

nber VS DE (GGVSee)	Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
3,4-Lutidine PROSYNTH® *3-4-Lutidine / 3,4-Lutidina* 2 $N=CHC(CH_3)=C(CH_3)CH=CH$ C_7H_9N $M=107,15$ g/mol **1 L ≈ 0,96 kg** assay (GC) ..... 98% boiling range ..... 162–164 °C refractive index (n_D^{20}) ..... 1,512 R: 10-20/21/22 disposal: 6	FL. *2935*	25 ml	25,—	21,25	20,—	18,75
3,5-Lutidine PROSYNTH® *3-5-Lutidine / 3,5-Lutidina* 2 $N=CHC(CH_3)=CHC(CH_3)=CH$ C_7H_9N $M=107,15$ g/mol **1 L ≈ 0,95 kg** assay (GC) ..... 98% boiling range ..... 170–172 °C refractive index (n_D^{20}) ..... 1,506 R: 10-20/21/22 disposal: 6	FL. *2935*	100 ml	29,50	25,10	23,60	22,15
Lutrol® E on request						
Luviskol® K and VA on request						
Lysidine PROSYNTH® *Lysidine / Lisidina* $NHCH_2CH_2N=CCH_3$ $C_4H_8N_2$ $M=84,12$ g/mol assay (ex N) ..... 99% melting range ..... 98–100 °C	WG. *2935*	50 g	30,—	25,50	24,—	22,50
L(+)-Lysine monohydrate BIOSYNTH® *L(+)-Lysine monohydrate / L(+)-Lisina monohidrato* $NH_2(CH_2)_4CH(NH_2)COOH \cdot H_2O$ $C_6H_{14}N_2O_2 \cdot H_2O$ $M=164,20$ g/mol assay (on anhydrous substance) ..... 99% melting range ..... 215–217°(disint.) specific rotation ($[\alpha]_D^{20}$; c=8 in 6 N HCl) ..... +23° ±1°	WG. *2923*	25 g	55,50	47,20	44,40	41,65
L(+)-Lysine monohydrochloride BIOSYNTH® *L(+)-Lysine monochlorhydrate / L(+)-Lisina monoclorhidrato* $NH_2(CH_2)_4CH(NH_2)COOH \cdot HCl$ $C_6H_{15}ClN_2O_2$ $M=182,65$ g/mol assay (ex N) ..... 99% specific rotation ($[\alpha]_D^{20}$; c=8 in 6 N HCl) ..... +20° ±2°	PF. *2923*	250 g	35,—	29,75	28,—	26,25
D(–)-Lyxose BIOSYNTH® *D(–)-Lyxose / D(–)-Lixosa* $HOCH(CHOH)_3CH_2O$ $C_5H_{10}O_5$ $M=150,13$ g/mol specific rotation ($[\alpha]_D^{20}$; c=4 in H_2O) ..... −14° ±1°	FL. *2943*	1 g	65,50	55,70	52,40	49,15
Macrogol see Polyethylene glycol						
Magenta see Diamond fuchsin						
Magnesia calcined see Magnesium oxide						
Magnesia grooves for pearl-tests *Magnésieen gouttière / Magnesiaen canalones* package with 50 pieces	*6909*	1 pack	22,75	19,35	18,20	17,05
Magnesia grooves for pearl-tests *Magnésie en forme de gouttière / Magnesia en forma de canalones* package with 100 pieces	*6909*	1 pack	40,50	34,45	32,40	30,40

POLYPEHA® universal and special indicator papers in strips

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)
34573	**Magnesia mixture** R. G., for the determination of phosphoric acid *Mélange de magnésie / Mezcla de magnesia* 1 L ≈ 1,00 kg	FL. *3819*	1 L	25,75	21,90	20,60
31408	**Magnesia sticks** for pearl-tests *Magnésie en baguettes / Magnesiaenbarritas* package with 25 pieces	*6909*	1 pack	13,—	11,05	10,40
31490	**Magnesia sticks** for pearl-tests *Magnésie en baguettes / Magnesia en barritas* package with 50 pieces	*6909*	1 pack	21,50	18,30	17,20
31491	**Magnesia sticks** for pearl-tests *Magnésie en baguettes / Magnesia en barritas* package with 100 pieces	*6909*	1 pack	37,25	31,65	29,80
13102	**Magnesite** calcined powder *Magnésite / Magnesita* MgO $M = 40{,}30$ g/mol	PF. *2519*	5 kg	30,—	24,90	23,40
13108 C 4.1 1869 3	**Magnesium** sticks 10 mm ∅ *Magnésium / Magnesio* Mg $M = 24{,}31$ g/mol assay ..... 99,5% insoluble in hydrochloric acid ..... 0,05% lead (Pb) ..... 0,005% iron (Fe) ..... 0,05% copper (Cu) 0,005%	PF. *7702*	500 g	41,50	35,30	33,20
13110 A 4.2/ 6B B 4.1/13B C 4.1 1869 3	**Magnesium** turnings according to Grignard *Magnésium / Magnesio* Mg $M = 24{,}31$ g/mol assay ..... 99,5% insoluble in hydrochloric acid ..... 0,01% iron (Fe) ..... 0,005% R: 15-17 S: 7/8-43A disposal: 28	BL. BL. BLT. *7702*	500 g 1 kg 25 kg	19,25 34,50 kg 18,75	16,35 29,35	15,40 27,60
13103 C 4.1 1869 3	**Magnesium** ribbon, about 3 mm × 0,2 mm *Magnésium / Magnesio* roll of abt. 25 g Mg $M = 24{,}31$ g/mol assay ..... 99,5% insoluble in hydrochloric acid ..... 0,05% lead (Pb) ..... 0,01% iron (Fe) ..... 0,05% copper (Cu) 0,005%	*7702*	1 pack	10,75	9,15	8,60
13112 A 4.2/ 6B B 4.1/13B C 4.3 1418 2	**Magnesium** powder *Magnésium / Magnesio* Mg $M = 24{,}31$ g/mol assay ..... 99% insoluble in hydrochloric acid ..... 0,05% iron (Fe) ..... 0,05% R: 15-17 S: 7/8-43A disposal: 28	BL. BL. BL. *7702*	100 g 500 g 1 kg	8,50 26,75 48,75	7,25 22,75 41,45	6,80 21,40 39,—
38609	**0,100 g Magnesium** FIXANAL® water-soluble standard for atom absorption *0,100 g Magnésium / 0,100 g Magnesio* ampoule	*3819*	1 pack	10,25	8,70	8,20
38659 A 3/3 C 3.3 1115 2 +25 °C	**0,100 g** *organo*-**Magnesium** FIXANAL® petroleum ether-soluble standard for atom absorption *0,100 g organo-Magnésium / 0,100 g organo-Magnesio* R: 10 ampoule	*3819*	1 pack	33,75	28,70	27,—

e-Number /ADR VE/GGVS DG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
85	**10,00 g Magnesium** FIXANAL® as Magnesium chloride *10,00 g Magnésium / 10,00 g Magnesio* ampoule	*3819*	1 pack	18,75	15,95	15,—	14,05
66	**1,00 g Magnesium** FIXANAL® watersoluble standard for atom absorption *1,00 g Magnésium / 1,00 g Magnesio* ampoule	*3819*	1 pack	10,25	8,70	8,20	7,70
16	**Magnesium acetate tetrahydrate** R. G., Reag. ACS *Magnésium acétate tétrahydrate / Magnesio acetato tetrahidrato* $Mg(CH_3COO)_2 \cdot 4H_2O$ $C_4H_6MgO_4 \cdot 4H_2O$ $M = 214{,}45$ g/mol assay ..... min. 99% insoluble in water ..... max. 0,005% pH (5%, 20 °C) ..... 8—9 barium (Ba) ..... max. 0,001% calcium (Ca) ..... max. 0,005% iron (Fe) ..... max. 0,0005% potassium (K) ..... max. 0,001% manganese (Mn) ..... max. 0,001% sodium (Na) ..... max. 0,001% heavy metals (as Pb) ..... max. 0,0005% strontium (Sr) ..... max. 0,005% chloride (Cl) ..... max. 0,001% sulphate (SO_4) ..... max. 0,005% total nitrogen (N) ..... max. 0,001%	PF. PF. PF. FTP. *2914*	100 g 250 g 1 kg 50 kg	8,50 15,75 44,50 kg	7,25 13,40 37,85 24,05	6,80 12,60 35,60	6,40 11,80 34,25
020	**Magnesium acetate tetrahydrate** pure *Magnésium acétate tétrahydrate / Magnesio acetato tetrahidrato* $Mg(CH_3COO)_2 \cdot 4H_2O$ $C_4H_6MgO_4 \cdot 4H_2O$ $M = 214{,}45$ g/mol assay ..... 97—102% calcium (Ca) ..... 0,05% iron (Fe) ..... 0,001% heavy metals (as Pb) ..... 0,001% chloride (Cl) ..... 0,002% sulphate (SO_4) 0,02%	PF. PF. S. *2914*	1 kg 5 kg 50 kg	19,— 71,—	16,15 58,95 price on request	15,20 55,40	14,65 53,25
5021	**Magnesium acetate tetrahydrate** technical *Magnésium acétate tétrahydrate / Magnesio acetato tetrahidrato* $Mg(CH_3COO)_2 \cdot 4H_2O$ $C_4H_6MgO_4 \cdot 4H_2O$ $M = 214{,}45$ g/mol assay ..... 95—100% iron (Fe) ..... 0,005% heavy metals (as Pb) ..... 0,002% chloride (Cl) ..... 0,02% sulphate (SO_4) 0,5%	PF. S. *2914*	5 kg 25 kg	65,50	54,35 price on request	51,10	49,15
2729	**Magnesium acetylacetonate** PROSYNTH® *Magnésium acétylacétonate / Magnesio acetilacetonato* $Mg(C_5H_7O_2)_2$ $C_{10}H_{14}MgO_4$ $M = 222{,}52$ g/mol assay (ex Mg) 99%	PF. *2945*	25 g	14,25	12,10	11,40	10,70
	Magnesium ammonium phosphate see Ammonium magnesium phosphate						
2118	**Magnesium bromide-6-hydrate** pure *Magnésium bromure-6-hydrate / Magnesio bromuro-6-hidrato* $MgBr_2 \cdot 6H_2O$ $M = 292{,}20$ g/mol assay ..... 99% iron (Fe) ..... 0,001% heavy metals (as Pb) ..... 0,001% bromate (BrO_3) ..... 0,001% chloride (Cl) ..... 0,05% sulphate (SO_4) 0,005%	PF. PF. FTP. *2830*	500 g 5 kg 25 kg	17,50 119,—	14,90 98,75 price on request	14,— 92,80	13,50 89,25

PROSYNTH® chemicals for organic synthesis

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	9 (16 B
	Magnesium carbonate/Magnesium carbonate basic see Magnesium hydroxide carbonate						
13174	**Magnesium chloride-2-hydrate** chem. pure powder *Magnésium chlorure-2-hydrate / Magnesio cloruro-2-hidrato* $MgCl_2 \cdot 2H_2O$ $M = 131{,}24$ g/mol assay of $MgCl_2$ ..... 68—72% pH (5%, 20 °C) ..... 7,0—9,5 calcium (Ca) ..... 0,2% iron (Fe) ..... 0,002% potassium (K) ..... 0,2% sodium (Na) ..... 0,2% heavy metals (as Pb) ..... 0,002% sulphate (SO_4) 0,05%	PF. PF. S. *2830*	1 kg 5 kg 50 kg	15,50 57,50 price on request	13,20 47,75	12,40 44,85	11 43
31413	**Magnesium chloride-6-hydrate** R. G., Reag. ACS, Reag. ISO *Magnésium chlorure-6-hydrate / Magnesio cloruro-6-hidrato* $MgCl_2 \cdot 6H_2O$ $M = 203{,}30$ g/mol assay ..... min. 99% insoluble in water ..... max. 0,005% pH (5%, 20 °C) ..... 5—6 ammonium (NH_4) ..... max. 0,001% barium (Ba) ..... max. 0,002% calcium (Ca) ..... max. 0,01% iron (Fe) ..... max. 0,0005% potassium (K) ..... max. 0,002% manganese (Mn) ..... max. 0,0005% sodium (Na) ..... max. 0,002% heavy metals (as Pb) ..... max. 0,0005% strontium (Sr) ..... max. 0,005% zinc (Zn) ..... max. 0,005% phosphate (PO_4) ..... max. 0,0005% sulphate (SO_4) ..... max. 0,002% total nitrogen (N) ..... max. 0,002%	PF. PF. PF. FTP. FTP. *2830*	500 g 1 kg 5 kg 50 kg 5x	14,50 26,50 113,— kg kg	12,35 22,55 93,80 11,— 10,40	11,60 21,20 88,15	11 20 84
13124	**Magnesium chloride-6-hydrate** chem. pure cryst. Ph. Eur. I *Magnésium chlorure-6-hydrate / Magnesio cloruro-6-hidrato* $MgCl_2 \cdot 6H_2O$ $M = 203{,}30$ g/mol assay ..... 98-101% free acid (as HCl) ..... 0,01% free alkali (as MgO) ..... 0,005% arsenic (As) ..... 0,0001% calcium (Ca) ..... 0,05% iron (Fe) ..... 0,0005% heavy metals (as Pb) ..... 0,0005% sulphate (SO_4) 0,005%	PF. PF. S. *2830*	2,5 kg 5 kg 50 kg	26,— 43,75 price on request	21,60 36,30	20,30 34,15	19 32
13151	○ **Magnesium chloride-6-hydrate** chem. pure cryst., Ph. Eur. I, B. P. 1973, Ph. Franç. IX, Ph. Nord. 1963 *Magnésium chlorure-6-hydrate / Magnesio cloruro-6-hidrato* $MGCl_2 \cdot 6H_2O$ $M = 203{,}30$ g/mol assay ..... 99% free acid (as HCl) ..... 0,005% free alkali (as MgO) ..... 0,003% arsenic (As) ..... 0,0001% barium (Ba) ..... 0,002% calcium (Ca) ..... 0,01% iron (Fe) ..... 0,0005% potassium (K) ..... 0,5% sodium (Na) ..... 0,5% heavy metals (as Pb) ..... 0,0005% phosphate (PO_4) ..... 0,005% sulphate (SO_4) 0,02%	PF. PF. S. *2830*	1 kg 5 kg 50 kg	11,75 44,— price on request	10,— 36,50	9,40 34,30	9 33
20312	**Magnesium dehydrocholate** for tablets *Magnésium déhydrocholate / Magnesio dehidrocolato*	PF. FTP. *2916*	1 kg 30 kg	550,— price on request	467,50	440,—	423
20324	○ **Magnesium dehydrocholate** for ampoules *Magnésium déhydrocholate / Magnesio dehidrocolato*	PF. *2916*	1 kg	675,—	573,75	540,—	519

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umber R GGVS ODE (GGVSee)	Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
Magnesium fluoride COTAL® granulation max. 0,1 mm 1 3 *Magnésium fluorure / Magnesio fluoruro* MgF_2 $M = 62{,}30$ g/mol	PF. FTP. *2829*	1 kg 25 kg	price on request price on request			
Magnesium fluoride COTAL® granulation 0,5 mm 1 3 *Magnésium fluorure / Magnesio fluoruro* MgF_2 $M = 62{,}30$ g/mol	PF. FTP. *2829*	100 g 25 kg	58,— price on request	49,30	46,40	43,50
Magnesium fluoride COTAL® granulation 1,5 mm 11 3 *Magnésium fluorure / Magnesio fluoruro* MgF_2 $M = 62{,}30$ g/mol	PF. PF. FTP. *2829*	100 g 500 g 30 kg	58,— 238,— price on request	49,30 202,30	46,40 190,40	43,50 183,25
Magnesium fluoride COTAL® powder 11 3 *Magnésium fluorure / Magnesio fluoruro* MgF_2 $M = 62{,}30$ g/mol	PF. PF. FTP. *2829*	100 g 1 kg 25 kg	53,50 401,— price on request	45,50 340,85	42,80 320,80	40,15 308,75
Magnesium fluoride for glass industry 11 3 *Magnésium fluorure / Magnesio fluoruro* MgF_2 $M = 62{,}30$ g/mol	PF. FTP. *2829*	1 kg 50 kg	price on request price on request			
Magnesium fluoride 11 3 *Magnésium fluorure / Magnesio fluoruro* MgF_2 $M = 62{,}30$ g/mol assay ..... 98% loss on ignition (500 °C, 15 min.) 2%	PF. PF. S. *2829*	500 g 5 kg 50 kg	14,— 71,50 price on request	11,90 59,35	11,20 55,75	10,80 53,65
Magnesium fluorosilicate-6-hydrate technical 353 3 *Magnésium fluorosilicate-6-hydrate / Magnesio fluorosilicato-6-hidrato* $MgSiF_6 \cdot 6H_2O$ $M = 274{,}47$ g/mol assay ..... 99% R: 22 S: 2-13-24/25 disposal: 27	PF. PF. S. *2829*	1 kg 5 kg 50 kg	10,50 38,25 price on request	8,95 31,75	8,40 29,85	8,10 28,70
Magnesium hydrogen phosphate-3-hydrate pure Erg. B. 6 *Magnésium hydrogénophosphate-3-hydrate / Magnesio hidrógenofosfato-3-hidrato* $MgHPO_4 \cdot 3H_2O$ $M = 174{,}33$ g/mol assay ..... 99% arsenic (As) ..... 0,0002% iron (Fe) ..... 0,002% heavy metals (as Pb) ..... 0,002% chloride (Cl) ..... 0,02% sulphate (SO_4) 0,02%	PF. S. *2840*	1 kg 50 kg	22,50 price on request	19,15	18,—	17,35
Magnesium hydroxide carbonate R. G. light *Magnésium hydroxyde carbonate / Magnesio hidróxido-carbonato* assay (MgO) (chelatometric) ..... min. 40% insoluble in hydrochloric acid ..... max. 0,005% soluble in water ..... max. 0,5% barium and strontium (as Ba) ..... max. 0,001% calcium (Ca) ..... max. 0,01% iron (Fe) ..... max. 0,001% potassium (K) ..... max. 0,002% sodium (Na) ..... max. 0,1% heavy metals (as Pb) ..... max. 0,001% zinc (Zn) ..... max. 0,005% chloride (Cl) ..... max. 0,005% sulphate (SO_4) ..... max. 0,003% total nitrogen (N) ..... max. 0,001%	PF. PF. PF. *2842*	100 g 250 g 1 kg	12,— 27,25 87,—	10,20 23,15 73,95	9,60 21,80 69,60	9,— 20,45 67,—

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13117	**Magnesium hydroxide carbonate** pure light powder, Ph. Eur. I, B. P. 1973, Ph. Franç. IX *Magnésium hydroxyde carbonate / Magnesio hidróxido-carbonato* assay (MgO) ..... 41 % soluble in water ..... 0,5 % insoluble in acetic acid ..... 0,05 % arsenic (As) ..... 0,0001 % calcium (Ca) ..... 0,5 % iron (Fe) ..... 0,02 % heavy metals (as Pb) ..... 0,001 % chloride (Cl) ..... 0,02 % sulphate (SO_4) ..... 0,2 %	K. S. *2842*	1 kg 20 kg	12,75	10,85 price on request	10,20	
13118	**Magnesium hydroxide carbonate** pure light powder *Magnésium hydroxyde carbonate / Magnesio hidróxido-carbonato* assay (MgO) ..... 41 % calcium (Ca) ..... 1,5 % iron (Fe) ..... 0,05 % heavy metals (as Pb) ..... 0,005 % chloride (Cl) ..... 0,05 %	K. S. *2842*	1 kg 20 kg	11,25	9,55 price on request	9,—	
04413	**Magnesium hypophosphite** pure *Magnésium hypophosphite / Magnesio hipofosfito* $Mg(PH_2O_2)_2 \cdot 6H_2O$ $M = 262{,}37$ g/mol assay ..... 99,5 % pH range (5 %, 20 °C) ..... 6—7 calcium (Ca) ..... 0,05 % iron (Fe) ..... 0,002 % heavy metals (as Pb) ..... 0,001 % sulphate (SO_4) ..... 0,02 %	PF. FTP. *2840*	1 kg 50 kg	72,—	61,20 price on request	57,60	5
	Magnesium hyposulphite see Magnesium thiosulphate						
	Magnesium-IDRANAL® see IDRANAL®						
20711 ○	**Magnesium nicotinate** for ampoules *Magnésium nicotinate / Magnesio nicotinato*	PF. *2935*	1 kg	88,—	74,80	70,40	6
20709	**Magnesium nicotinate** for tablets *Magnésium nicotinate / Magnesio nicotinato*	PF. FTP. *2935*	1 kg 50 kg	77,50	65,90 price on request	62,—	5
31415 C 5.1 1474 3	**Magnesium nitrate-6-hydrate** R. G., Reag. ACS *Magnésium nitrate-6-hydrate / Magnesio nitrato-6-hidrato* $Mg(NO_3)_2 \cdot 6H_2O$ $M = 256{,}41$ g/mol assay ..... min. 99,5 % insoluble in water ..... max. 0,005 % pH (5 %, 20 °C) ..... 5—8 ammonium (NH_4) ..... max. 0,001 % barium (Ba) ..... max. 0,002 % calcium (Ca) ..... max. 0,005 % iron (Fe) ..... max. 0,0005 % potassium (K) ..... max. 0,001 % manganese (Mn) ..... max. 0,0005 % sodium (Na) ..... max. 0,001 % heavy metals (as Pb) ..... max. 0,0005 % strontium (Sr) ..... max. 0,002 % chloride (Cl) ..... max. 0,001 % phosphate (PO_4) ..... max. 0,0005 % sulphate (SO_4) ..... max. 0,002 %	PF. PF. FTP. *2839*	500 g 1 kg 50 kg	11,50 20,75	9,80 17,65 kg 9,50	9,20 16,60	1
13129 C 5.1 1474 3	**Magnesium nitrate-6-hydrate** chem. pure *Magnésium nitrate-6-hydrate / Magnesio nitrato-6-hidrato* $Mg(NO_3)_2 \cdot 6H_2O$ $M = 256{,}41$ g/mol assay ..... 98 % pH range (5 %, 20 °C) ..... 5—8 calcium (Ca) ..... 0,02 % iron (Fe) ..... 0,001 % heavy metals (as Pb) ..... 0,001 % chloride (Cl) ..... 0,002 % sulphate (SO_4) ..... 0,02 %	PF. PF. S. *2839*	1 kg 5 kg 50 kg	14,50 54,50	12,35 45,25 price on request	11,60 42,50	1 4

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mber GVS DDE (GGVSee)	Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
Magnesium nitrate-6-hydrate pure	PF.	2,5 kg	23,75	19,70	18,55	17,80
3 *Magnésium nitrate-6-hydrate / Magnesio nitrato-6-hidrato*	S.	50 kg	price on request			
$Mg(NO_3)_2 \cdot 6H_2O$ $M = 256{,}41$ g/mol	*2839*					
assay 97%						
iron (Fe) 0,005%						
heavy metals (as Pb) 0,002%						
chloride (Cl) 0,005%						
sulphate (SO_4) 0,2%						
Magnesium nitride R. G. for the determination of water in fuels containing alcohol according to Dietrich and Conrad	WG.	100 g	135,50	115,20	108,40	101,65
	WG.	250 g	307,—	260,95	245,60	230,25
Magnésium nitrure / Magnesio nitruro	*2857*					
Mg_3N_2 $M = 100{,}93$ g/mol						
Magnesium oxide R. G.	PF.	100 g	23,—	19,55	18,40	17,25
Magnésium oxyde / Magnesio óxido	PF.	250 g	52,50	44,65	42,—	39,40
MgO $M = 40{,}30$ g/mol	PF.	1 kg	173,—	147,05	138,40	133,20
assay (chelatometric) ..... min. 97%	*2519*					
insoluble in hydrochloric acid ..... max. 0,005%						
soluble in water ..... max. 0,5%						
loss on ignition ..... max. 3%						
barium and strontium (as Ba) ..... max. 0,005%						
calcium (Ca) ..... max. 0,02%						
iron (Fe) ..... max. 0,005%						
potassium (K) ..... max. 0,005%						
sodium (Na) ..... max. 0,2%						
heavy metals (as Pb) ..... max. 0,005%						
zinc (Zn) ..... max. 0,005%						
chloride (Cl) ..... max. 0,01%						
sulphate (SO_4) ..... max. 0,02%						
total nitrogen (N) ..... max. 0,002%						
Magnesium oxide R. G. (max. 0,001% SO_4)	PF.	100 g	21,50	18,30	17,20	16,15
Magnésium oxyde / Magnesio óxido	PF.	1 kg	144,—	122,40	115,20	110,90
MgO $M = 40{,}30$ g/mol	*2519*					
assay (chelatometric) ..... min. 97%						
insoluble in hydrochloric acid ..... max. 0,005%						
loss on ignition ..... max. 3%						
soluble in water ..... max. 0,5%						
barium and strontium (as Ba) ..... max. 0,005%						
calcium (Ca) ..... max. 0,02%						
iron (Fe) ..... max. 0,005%						
potassium (K) ..... max. 0,005%						
sodium (Na) ..... max. 0,2%						
heavy metals (as Pb) ..... max. 0,003%						
zinc (Zn) ..... max. 0,005%						
chloride (Cl) ..... max. 0,01%						
sulphate (SO_4) ..... max. 0,001%						
total nitrogen (N) ..... max. 0,002%						
Magnesium oxide chem. pure light Ph. Eur. I, B. P. 1973, Ph. Franç. IX	K.	500 g	11,25	9,55	9,—	8,65
	K.	1 kg	20,25	17,20	16,20	15,60
Magnésium oxyde / Magnesio óxido	S.	25 kg	price on request			
MgO $M = 40{,}30$ g/mol	*2519*					
assay (ex ignited substance) 98%						
soluble in water 0,5%						
insoluble in acetic acid 0,05%						
loss on ignition 1,5%						
arsenic (As) 0,0002%						
calcium (Ca) 0,5%						
iron (Fe) 0,05%						
heavy metals (as Pb) 0,002%						
chloride (Cl) 0,05%						
sulphate (SO_4) 0,5%						

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13139	**Magnesium oxide** pure light *Magnésium oxyde / Magnesio óxido* MgO M = 40,30 g/mol assay (ex ignited substance) ..... 97% loss on ignition ..... 8% calcium (Ca) ..... 1% iron (Fe) ..... 0,05% heavy metals (as Pb) ..... 0,005% chloride (Cl) ..... 0,1% sulphate (SO_4) 0,5%	K. S. *2519*	1 kg 25 kg	17,— price on request	14,45	13,60	13,
13140	**Magnesium oxide** technical *Magnésium oxyde / Magnesio óxido* MgO M = 40,30 g/mol	PF. S. *2519*	5 kg 25 kg	35,25 price on request	29,25	27,50	26,
31419 A 5.1/4B C 5.1 1475 2	**Magnesium perchlorate** R. G. (for drying) *Magnésium perchlorate / Magnesio perclorato* $Mg(ClO_4)_2 \cdot xH_2O$ M = (anhydrous) 223,21 g/mol assay of $Mg(ClO_4)_2$ ..... min. 83% free acid (as $HClO_4$) ..... max. 0,05% free alkali (as MgO) ..... max. 0,05% chloride (Cl) ..... max. 0,005% nitrate (NO_3) ..... max. 0,002%	WG. WG. WG. *2832*	100 g 250 g 1 kg	17,50 36,— 120,—	14,90 30,60 102,—	14,— 28,80 96,—	13, 27, 92,
13132 A 5.1/4B C 5.1 1475 2	**Magnesium perchlorate** (for drying) *Magnésium perchlorate / Magnesio perclorato* $Mg(ClO_4)_2 \cdot H_2O$ M = (anhydrous) 223,21 g/mol assay of $Mg(ClO_4)_2$ 76%	WG. WG. *2832*	250 g 1 kg	28,75 96,—	24,45 81,60	23,— 76,80	21, 73,
13136 A 5.1/9B C 5.1 1476 2	**Magnesium peroxide** light DAB 8 *Magnésium peroxyde / Magnesio peróxido* MgO_2 M = 56,30 g/mol assay ..... 26% calcium (Ca) ..... 0,5% iron (Fe) ..... 0,01% heavy metals (as Pb) ..... 0,002% chloride (Cl) ..... 0,01% sulphate (SO_4) 0,1%	PF. PF. *2818*	250 g 1 kg	9,50 29,25	8,10 24,85	7,60 23,40	7, 22,
	Magnesium phosphate dibasic see Magnesium hydrogen phosphate						
	Magnesium rhodanide see Magnesium thiocyanate						
	Magnesium silicofluoride see Magnesium fluorosilicate						
26454	**Magnesium stearate** *Magnésium stearate / Magnesio estearato* assay of Mg (on dry substance) ..... 4,5% ash ..... 7,5% loss on drying (105 °C) ..... 3,5% heavy metals (as Pb) ..... 0,002% chloride (Cl) ..... 0,02% sulphate (SO_4) ..... 0,25% acid number of fatty acid precipitate ..... 195—210	K. S. *2914*	1 kg 20 kg	price on request price on request			
26419	**Magnesium stearate** pure *Magnésium stéarate / Magnesio estearato*	K. S. *2914*	1 kg 20 kg	17,— price on request	14,45	13,60	13,

refer explanations

Number ADR E/GGVS G-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
3	**Magnesium sulphate** chem. pure dried DAB 7 *Magnésium sulfate / Magnesio sulfato* $MgSO_4 \cdot xH_2O$ *M* (anhydrous) = 120,37 g/mol assay of $MgSO_4$ in dried substance ..... 99,5% loss on drying (400—500 °C) ..... 26—32% arsenic (As) ..... 0,0004% calcium (Ca) ..... 0,02% iron (Fe) ..... 0,001% heavy metals (as Pb) ..... 0,001% chloride (Cl) 0,008%	PF. PF. S. *2838*	1 kg 5 kg 40 kg	10,50 38,— price on request	8,95 31,55	8,40 29,65	8,10 28,50
73	**Magnesium sulphate** chem. pure dried B. P. 1973 *Magnésium sulfate / Magnesio sulfato* $MgSO_4 \cdot xH_2O$ *M* (anhydrous) = 120,37 g/mol assay of $MgSO_4$ in dried substance ..... 99% loss on drying ..... 30—38% free acid (as H_2SO_4) ..... 0,008% free alkali (as MgO) ..... 0,01% arsenic (As) ..... 0,0002% calcium (Ca) ..... 0,02% iron (Fe) ..... 0,001% heavy metals (as Pb) ..... 0,001% chloride (Cl) 0,008%	PF. S. *2838*	2,5 kg 50 kg	19,25 price on request	16,—	15,—	14,45
20	**Magnesium sulphate-6-hydrate** R. G. *Magnésium sulfate-6-hydrate / Magnesio sulfato-6-hidrato* $MgSO_4 \cdot 6H_2O$ *M* = 228,46 g/mol assay ..... min. 99% insoluble in water ..... max. 0,005% pH (5%, 20 °C) ..... 5—8 ammonium (NH_4) ..... max. 0,002% calcium (Ca) ..... max. 0,005% iron (Fe) ..... max. 0,0005% potassium (K) ..... max. 0,005% manganese (Mn) ..... max. 0,0005% sodium (Na) ..... max. 0,005% heavy metals (as Pb) ..... max. 0,0005% zinc (Zn) ..... max. 0,002% chloride (Cl) ..... max. 0,0005% nitrate (NO_3) ..... max. 0,002%	PF. PF. PF. *2838*	500 g 1 kg 5 kg	11,— 18,75 77,50	9,35 15,95 64,35	8,80 15,— 60,45	8,45 14,45 58,15
910	**Magnesium sulphate-7-hydrate** PURANAL® *Magnésium sulfate-7-hydrate / Magnesio sulfato-7-hidrato* $MgSO_4 \cdot 7H_2O$ *M* = 246,47 g/mol analytical data on request	PF. *2838*	5 kg	price on request			
142	○ **Magnesium sulphate-7-hydrate** chem. pure cryst., Ph. Eur. I, B. P. 1973, Ph. Franç. IX, U. S. P. XIX, Reag. Ph. Eur. I *Magnésium sulfate-7-hydrate / Magnesio sulfato-7-hidrato* $MgSO_4 \cdot 7H_2O$ *M* = 246,47 g/mol assay ..... 99,8% loss on drying (500 °C) ..... 51% free acid (as H_2SO_4) ..... 0,005% free alkali (as MgO) ..... 0,003% arsenic (As) ..... 0,0001% calcium (Ca) ..... 0,01% iron (Fe) ..... 0,0005% heavy metals (as Pb) ..... 0,0005% chloride (Cl) 0,005%	PF. PF. S. S. S. *2838*	2,5 kg 5 kg 50 kg 5x 10x	16,75 30,75 kg kg kg	13,90 25,50 1,25 1,15 1,10	13,05 24,—	12,55 23,05
146	**0,1 mol Magnesium sulphate** FIXANAL® 24,648 $MgSO_4 \cdot 7H_2O$ for 1 L 0,1 M solution *0,1 mol Magnésium sulfate / 0,1 mol Magnesio sulfato* bottle	*3819*	1 pack	12,75	10,85	10,20	9,55

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	9 (16 Bo
13146	**Magnesium thiocyanate-4-hydrate** pure *Magnésium thiocyanate-4-hydrate / Magnesio tiocianato-4-hidrato* $Mg(SCN)_2 \cdot 4H_2O$ $M = 212{,}53$ g/mol assay ..... 97% ammonium (NH_4) ..... 0,02% iron (Fe) ..... 0,002% heavy metals (as Pb) ..... 0,001% chloride (Cl) ..... 0,005% sulphate (SO_4) ..... 0,1% R: 20/21/22-32 S: 2-13 disposal: 8	WG. FTP. *2844*	1 kg 50 kg	59,—	50,15 price on request	47,20	45,
13147	**Magnesium thiosulphate-6-hydrate** pure cryst. *Magnésium thiosulfate-6-hydrate / Magnesio tiosulfato-6-hidrato* $MgS_2O_3 \cdot 6H_2O$ $M = 244{,}53$ g/mol assay ..... 99% free acid (as H_2SO_4) ..... 0,02% free alkali (as MgO) ..... 0,02% calcium (Ca) ..... 0,1% iron (Fe) ..... 0,001% heavy metals (as Pb) ..... 0,001% other sulphur compounds (as SO_4) ..... 0,3% sulphide (S) 0,0005%	PF. FTP. *2837*	500 g 100 kg	20,25	17,20 price on request	16,20	15,
	Magneson I see 4-(4-Nitrophenylazo)-resorcinol						
	Magneson II see 4-(4-Nitrobenzeneazo)-a-naphthol						
32745	**Malachite green** crystals for microscopy (C. I. No. 42000, S. No. 754) *Vert malachite / Verde de malaquita*	WG. WG. WG. *3205*	50 g 100 g 1 kg	8,25 13,— 97,50	7,— 11,05 82,90	6,60 10,40 78,—	6, 9, 75,
35736	**Malathion** min. 99% PESTANAL® [S-(1,2-dicarbethoxyethyl)-0,0-dimethyl-dithiophosphate] $(CH_3O)_2P(S)SCH(CH_2COOC_2H_5)COOC_2H_5$ $C_{10}H_{19}O_6PS_2$ $M = 330{,}36$ g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 20/21/22 S: 2-13 disposal: 7	FL. *2921*	2 g	56,50	48,05	45,20	42,
62730	**Maleic acid** PROSYNTH® *Acide maléique / Acido maleico* HOOCCH = CHCOOH $C_4H_4O_4$ $M = 116{,}07$ g/mol assay (alkalimetric) ..... 99% melting range ..... 133—136 °C R: 22-36/37/38 S: 26-28-37 disposal: 21	PF. *2915*	500 g	18,75	15,95	15,—	14,
39472	**Maleic acid disodium salt** BIOSYNTH® *Acide maléique, sel disodique / Acido maleico, sal disódica* NaOOCCH = CHCOONa $C_4H_2Na_2O_4$ $M = 160{,}04$ g/mol	WG. *2915*	50 g	23,25	19,75	18,60	17,
39406 C 8 2215 3	**Maleic anhydride** BIOSYNTH® *Anhydride maléique / Anhidrido maléico* $\underline{OCOCH = CHCO}$ $C_4H_2O_3$ $M = 98{,}06$ g/mol R: 22-36/37/38-42 S: 22-28-39 disposal: 21	PF. PF. *2915*	100 g 500 g	17,50 72,—	14,90 61,20	14,— 57,60	13, 55,

refer explanations

-Number /ADR /E/GGVS G-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
5 215 3	**Maleic anhydride** PROSYNTH® *Anhydride maléique / Anhidrido maleico* QCOCH=CHÇO $C_4H_2O_3$ M = 98,06 g/mol assay ..... 99% melting range ..... 52–54 °C R: 22-36/37/38-42 S: 22-28-39 disposal: 21	PF. PF. 2915	1 kg 5 kg	16,25 66,–	13,80 54,80	13,– 51,50	12,50 49,50
01	**Maleic hydrazide** min. 99% PESTANAL® HÇ=CHC(O)NHNHÇ=O $C_4H_4N_2O_2$ M = 112,09 g/mol	FL. 2929	1 g	17,50	14,90	14,–	13,15
	Maleic hydrazide see also 3,6-Pyridazinediol						
05	**Maleimide** BIOSYNTH® *Maléimide / Maleimida* NHCOCH=CHÇO $C_4H_3NO_2$ M = 97,07 g/mol	WG. 2926	5 g	47,50	40,40	38,–	35,65
65	**Maleimide** PROSYNTH® *Maléimide / Maleimida* NHCOCH=CHÇO $C_4H_3NO_2$ M = 97,07 g/mol assay (ex N) ..... 98% melting range ..... 91–93 °C	WG. 2926	10 g	108,–	91,80	86,40	81,–
606	**Malic acid** inactive pure cryst. *Acide malique / Acido málico* HOOCCH$_2$CH(OH)COOH $C_4H_6O_5$ M = 134,09 g/mol assay ..... 99,5% melting range ..... 129–131 °C sulphated ash ..... 0,1% arsenic (As) ..... 0,0001% iron (Fe) ..... 0,001% heavy metals (as Pb) ..... 0,001% chloride (Cl) ..... 0,01% sulphate (SO_4) 0,02%	PF. PF. FTP. FTP. 2916	250 g 1 kg 25 kg 4x	8,– 20,– kg kg	6,80 17,– 10,70 10,–	6,40 16,–	6,– 15,40
276	DL-**Malic acid** BIOSYNTH® *Acide DL-malique / Acido DL-málico* HOOCCH(OH)CH$_2$COOH $C_4H_6O_5$ M = 134,09 g/mol	PF. PF. 2916	250 g 1 kg	13,75 40,25	11,70 34,20	11,– 32,20	10,30 31,–
275	L(–)-**Malic acid** BIOSYNTH® *Acide L(–)-malique / Acido L(–)-málico* HOOCCH(OH)CH$_2$COOH $C_4H_6O_5$ M = 134,09 g/mol	FL. 2916	5 g	15,50	13,20	12,40	11,65
033	L(–)-**Malic acid** PROSYNTH® *Acide L(–)-malique / Acide L(–)-málico* HOOCCH(OH)CH$_2$COOH $C_4H_6O_5$ M = 134,09 g/mol assay (alkalimetric) ..... 99% melting range ..... 99–102 °C spec. rotation ($[\alpha]_D^{20}$; c=5 in C_5H_5N) ..... –27° ±3°	WG. 2916	25 g	33,–	28,05	26,40	24,75
598	**Malonamide** PROSYNTH® *Diamide malonique / Acido malónico diamida* CH$_2$(CONH$_2$)$_2$ $C_3H_6N_2O_2$ M = 102,09 g/mol assay (ex N) ..... 97% melting range ..... 167–169 °C	WG. 2925	25 g	10,–	8,50	8,–	7,50

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	9 (16 Bo
27711	**Malonic acid** chem. pure *Acide malonique / Acido malónico* $CH_2(COOH)_2$ $C_3H_4O_4$ $M = 104{,}06$ g/mol assay (acidimetric) ..... 99 % melting range ..... 132 – 134 °C sulphated ash ..... 0,1 % chloride (Cl) ..... 0,0001 % sulphate (SO_4) ..... 0,01 %	PF. PF. *2915*	100 g 1 kg	16,50 124,50	14,05 105,85	13,20 99,60	12, 95,
27712	**Malonic acid** pure *Acide malonique / Acido malónico* $CH_2(COOH)_2$ $C_3H_4O_4$ $M = 104{,}06$ g/mol assay (acidimetric) ..... 99 % melting range ..... 130 – 132 °C sulphated ash ..... 0,5 % chloride (Cl) ..... 0,01 % sulphate (SO_4) ..... 0,05 %	PF. PF. FTP. *2915*	† 500 g 1 kg 50 kg	38,— 70,— price on request	32,30 59,50	30,40 56,—	28, 53,
09056	**Malonic acid-d_4** deuteration degree not less than 99 atom % D *Acide malonique-d_4 / Acido malónico-d_4* $CD_2(COOD)_2$ $C_3D_4O_4$ $M = 108{,}03$ g/mol	A. *2851*	10 g	58,—	49,30	46,40	43,
	Malonic acid diamide see Malonamide						
	Malonic acid diethyl ester see Diethyl malonate						
	Malonic acid dimethyl ester see Dimethyl malonate						
60386 A 6.1/21A C 6.1 2811 2	**Malonic acid dinitrile** PROSYNTH® *Acide malonique dinitrile / Acido malónico dinitrilo* $CH_2(CN)_2$ $C_3H_2N_2$ $M = 66{,}06$ g/mol assay (GC) ..... 99 % melting range ..... 31 – 33 °C R: 23/24/25 S: 23-27 disposal: 15	WG. WG. *2927*	100 g 500 g	21,50 88,—	18,30 74,80	17,20 70,40	16, 67,
60394 A 8/22 C 8 1760 2	**Malonyl chloride** PROSYNTH® *Malonyle chlorure / Malonilo cloruro* $ClCOCH_2COCl$ $C_3H_2Cl_2O_2$ $M = 140{,}95$ g/mol **1 L ≈ 1,45 kg** assay (ex Cl) ..... 99 % boiling range (at 37 mbar) ..... 58 – 60 °C refractive index (n_D^{20}) 1,463	FL. *2915*	25 ml	74,—	62,90	59,20	55,
	Maltin see Diastase						
	Maltol see 3-Hydroxy-2-methyl-1,4-pyrone						
39407	**D(+)-Maltose** BIOSYNTH® *D(+)-Maltose / D(+)-Maltosa* $C_{12}H_{22}O_{11} \cdot H_2O$ $M = 360{,}31$ g/mol	PF. *2943*	25 g	43,—	36,55	34,40	32,
15718	**D(+)-Maltose** *D(+)-Maltose / D(+)-Maltosa* $C_{12}H_{22}O_{11} \cdot H_2O$ $M = 360{,}31$ g/mol	PF. PF. *2943*	100 g 500 g	11,25 43,75	9,55 37,20	9,— 35,—	8, 33,
27713	**Mandelic acid** chem. pure DAB 7 *Acide mandélique / Acido amigdálico* $C_6H_5CH(OH)COOH$ $C_8H_8O_3$ $M = 152{,}15$ g/mol assay ..... 99,5 % melting range ..... 118 – 122 °C sulphated ash ..... 0,05 % ammonium (NH_4) ..... passes test heavy metals (as Pb) ..... 0,001 % chloride (Cl) ..... 0,005 % cyanide (CN) ..... passes test sulphate (SO_4) ..... 0,005 %	WG. WG. *2916*	100 g 1 kg	11,75 77,50	10,— 65,90	9,40 62,—	8, 59,

refer explanations

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2	**D(–)-Mandelic acid** PROSYNTH *Acide D(–)-mandélique / Acido D(–)-amigdálico* $C_6H_5CH(OH)COOH$ $C_8H_8O_3$ $M = 152{,}15$ g/mol assay (alkalimetric) ..... 99% melting range ..... 131–133 °C spec. rotation ($[\alpha]_D^{20}$; c = 5 in H_2O) ..... –154° ±4°	WG. 2916	10 g	36,75	31,25	29,40	27,55
3	**L(+)-Mandelic acid** PROSYNTH® *Acide L(+)-mandélique / Acido L(+)-amigdálico* $C_6H_5CH(OH)COOH$ $C_8H_8O_3$ $M = 152{,}15$ g/mol assay (alkalimetric) ..... 98% melting range ..... 132–134 °C spec. rotation ($[\alpha]_D^{20}$; c = 5 in H_2O) ..... +154° ±4°	WG. 2916	10 g	34,50	29,35	27,60	25,90
	Mandelic acid nitrile see α-Hydroxyphenylacetonitrile						
	Mandelonitrile see α-Hydroxyphenylacetonitrile						
68	**Manganese** scales *Manganèse / Manganeso* Mn $M = 54{,}94$ g/mol assay ..... 99,9% lead (Pb) ..... 0,006% iron (Fe) ..... 0,005% carbon (C) ..... 0,05% copper (Cu) ..... 0,005% nickel (Ni) ..... 0,01% phosphorus (P) ..... 0,003% oxygen (O) ..... 0,02% sulphur (S) ..... 0,03% silicium (Si) 0,01%	PF. PF. 8104	500 g 1 kg	25,75 47,50	21,90 40,40	20,60 38,–	19,85 36,60
10	**0,100 g Manganese** FIXANAL® water-soluble standard for atom absorption *0,100 g Manganèse / 0,100 g Manganeso* ampoule	3819	1 pack	10,25	8,70	8,20	7,70
60 3 1115 2 °C	**0,100 g *organo*-Manganese** FIXANAL® petroleum ether-soluble standard for atom absorption *0,100 g organo-Manganèse / 0,100 g organo-Manganeso* R: 10 ampoule	3819	1 pack	33,75	28,70	27,–	25,30
67	**1,00 g Manganese** FIXANAL® watersoluble standard for atom absorption *1,00 g Manganèse / 1,00 g Manganeso* ampoule	3819	1 pack	10,25	8,70	8,20	7,70
90	**10,00 g Manganese** FIXANAL® as Manganese(II) chloride *10,00 g Manganèse / 10,00 g Manganeso* ampoule	3819	1 pack	18,75	15,95	15,–	14,05
17	**Manganese(II) acetate tetrahydrate** R. G. *Manganèse(II) acétate tétrahydrate / Manganeso(II) acetato tetrahidrato* $Mn(CH_3COO)_2 \cdot 4H_2O$ $C_4H_6MnO_4 \cdot 4H_2O$ $M = 245{,}09$ g/mol assay ..... min. 99,5% insoluble in water ..... max. 0,005% calcium (Ca) ..... max. 0,005% iron (Fe) ..... max. 0,0005% magnesium (Mg) ..... max. 0,005% sodium (Na) ..... max. 0,002% heavy metals (as Pb) ..... max. 0,0005% zinc (Zn) ..... max. 0,005% chloride (Cl) ..... max. 0,001% sulphate (SO_4) ..... max. 0,005% $KmnO_4$ reducing substances (as O) ..... max. 0,0005%	PF. PF. FTP. 2914	250 g 1 kg 50 kg	13,50 37,75 kg	11,50 32,10 21,15	10,80 30,20	10,15 29,05

CHROMASOLV® solvents for chromatography

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	9 (16 B
17854	**Manganese(II) acetate tetrahydrate** PURANAL® *Manganèse(II) acétate tétrahydrate / Manganeso(II) acetato tetrahidrato* $Mn(CH_3COO)_2 \cdot 4H_2O$ $C_4H_6MnO_4 \cdot 4H_2O$ *M* = 245,09 g/mol analytical data on request	PF. FTP. *2914*	2,5 kg 50 kg	price on request price on request			
13286	**Manganese(II) acetate tetrahydrate** chem. pure *Manganèse(II) acétate tetrahydrate / Manganeso(II) acetato tetrahidrato* $Mn(CH_3COO)_2 \cdot 4H_2O$ $C_4H_6MnO_4 \cdot 4H_2O$ *M* = 245,09 g/mol assay ..... 95–97 % calcium (Ca) ..... 0,01 % iron (Fe) ..... 0,001 % copper (Cu) ..... 0,0005 % magnesium (Mg) ..... 0,01 % nickel (Ni) ..... 0,001 % chloride (Cl) ..... 0,001 % sulphate (SO_4) ..... 0,005 %	PF. S. *2914*	1 kg 50 kg	19,25 kg	16,35 4,70	15,40	14
62734	**Manganese(II) acetylacetonate** PROSYNTH® *Manganèse(II) acétylacétonate / Manganeso(II) acetilacetonato* $Mn(C_5H_7O_2)_2$ $C_{10}H_{14}MnO_4$ *M* = 253,16 g/mol assay (ex Mn) ..... 99 % melting range ..... 248–250 °C (disint.)	WG. *2945*	50 g	16,–	13,60	12,80	12
62735	**Manganese(III) acetylacetonate** PROSYNTH® *Manganèse(III) acétylacétonate / Manganeso(III) acetilacetonato* $Mn(C_5H_7O_2)_3$ $C_{15}H_{21}MnO_6$ *M* = 352,27 g/mol assay (ex Mn) ..... 99 % melting range ..... 159–161 °C (disint.)	WG. *2945*	50 g	19,75	16,80	15,80	14
13211	**Manganese borate** pure *Manganèse borate / Manganeso borato* assay of Mn ..... 23 % assay of B_2O_3 ..... 41 %	PF. S. *2846*	1 kg 20 kg	38,25 price on request	32,50	30,60	29
13212	**Manganese borate** technical for varnishes *Manganèse borate / Manganeso borato*	PF. S. *2846*	5 kg 50 kg	66,50 price on request	55,20	51,85	49
31421	**Manganese(II) carbonate** R. G. *Manganèse(II) carbonate / Manganeso(II) carbonato* $MnCO_3 \cdot xH_2O$ *M* = (anhydrous) 114,95 g/mol assay of Mn ..... 43–45 % insoluble in diluted acid ..... max. 0,05 % ammonium (NH_4) ..... max. 0,1 % calcium (Ca) ..... max. 0,01 % iron (Fe) ..... max. 0,002 % potassium (K) ..... max. 0,01 % sodium (Na) ..... max. 0,1 % heavy metals (as Pb) ..... max. 0,002 % zinc (Zn) ..... max. 0,005 % chloride (Cl) ..... max. 0,002 % sulphate (SO_4) ..... max. 0,005 %	PF. PF. *2842*	250 g 1 kg	26,– 87,50	22,10 74,40	20,80 70,–	19 67
13213	**Manganese(II) carbonate** chem. pure *Manganèse(II) carbonate / Manganeso(II) carbonato* $MnCO_3 \cdot H_2O$ *M* = (anhydrous) 114,95 g/mol assay of Mn ..... 44 % iron (Fe) ..... 0,005 % sodium (Na) ..... 0,2 % heavy metals (as Pb) ..... 0,005 % chloride (Cl) ..... 0,02 % sulphate (SO_4) ..... 0,02 %	PF. *2842*	1 kg	52,–	44,20	41,60	4

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lumber OR GGVS CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	Manganese(II) carbonate technical *Manganèse(II) carbonate / Manganeso(II) carbonato* $MnCO_3 \cdot H_2O$ M = (anhydrous) 114,95 g/mol assay of Mn ..... 43–44 % iron (Fe) ..... 0,01 %	PF. S. *2842*	5 kg 50 kg	58,50 price on request	48,55	45,65	43,90
	Manganese(II) chloride-4-hydrate R. G. *Manganèse(II) chlorure-4-hydrate / Manganeso(II) cloruro-4-hidrato* $MnCl_2 \cdot 4H_2O$ M = 197,90 g/mol assay ..... min. 99 % insoluble in water ..... max. 0,005 % pH (5 %, 20 °C) ..... 4–6 calcium (Ca) ..... max. 0,005 % iron (Fe) ..... max. 0,0005 % sodium (Na) ..... max. 0,01 % nickel (Ni) ..... max. 0,002 % heavy metals (as Pb) ..... max. 0,001 % zinc (Zn) ..... max. 0,005 % sulphate (SO_4) ..... max. 0,005 % matters reducing $KMnO_4$ (as O) ..... max. 0,0005 %	PF. PF. FTP. *2830*	250 g 1 kg 50 kg	14,25 36,– kg	12,10 30,60 19,75	11,40 28,80	10,70 27,70
	Manganese(II) chloride-4-hydrate chem. pure *Manganèse(II) chlorure-4-hydrate / Manganeso(II) cloruro-4-hidrato* $MnCl_2 \cdot 4H_2O$ M = 197,90 g/mol assay ..... 98 % pH range (5 %, 20 °C) ..... 4–6 iron (Fe) ..... 0,002 % nickel (Ni) ..... 0,005 % heavy metals (as Pb) ..... 0,002 % sulphate (SO_4) ..... 0,01 %	PF. PF. PF. S. *2830*	500 g 1 kg 5 kg 50 kg	13,– 23,25 87,50 price on request	11,05 19,75 72,65	10,40 18,60 68,25	10,– 17,90 65,65
9	**Manganese(II) chloride-4-hydrate** technical *Manganèse(II) chlorure-4-hydrate / Manganeso(II) cloruro-4-hidrato* $MnCl_2 \cdot 4H_2O$ M = 197,90 g/mol assay ..... 98 % iron (Fe) ..... 0,005 % heavy metals (as Pb) ..... 0,005 % sulphate (SO_4) ..... 0,05 %	PF. S. *2830*	5 kg 50 kg	60,– price on request	49,80	46,80	45,–
3	**Manganese citrate** soluble Erg. B. 6 *Manganèse citrate / Manganeso citrato* assay of $Mn_3(C_6H_5O_7)_2$ ..... 48–52 % pH range (5 %, 20 °C) ..... 7–8 arsenic (As) ..... 0,0005 % iron (Fe) ..... 0,005 % heavy metals (as Pb) ..... 0,005 % chloride (Cl) ..... 0,005 % sulphate (SO_4) ..... 0,02 %	PF. *2916*	1 kg	45,–	38,25	36,–	34,65
1 5 2811 2	*di*-**Manganese decacarbonyl** PROSYNTH® *di-Manganèse décacarbonyle / di-Manganeso decacarbonilo* $Mn_2(CO)_{10}$ $C_{10}Mn_2O_{10}$ M = 389,98 g/mol assay (ex Mn) ..... 98 % keep in refrigerator à stocker dans le refrigidaire almacenaje en la nevera	FL. *2858*	1 g	price on request			
	Manganese dioxide see Manganese(IV) oxide						
7 2811 3	**Manganese(II) fluoride** *Manganèse(II) fluorure / Manganeso(II) fluoruro* MnF_2 M = 92,93 g/mol	WG. *2829*	10 g	27,75	23,60	22,20	20,80
	Manganese hydroxide see Manganese oxide hydrated						

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	9 (10 B
04414	**Manganese(II) hypophosphite-1-hydrate** Erg. B. 6, B. P. C. 1963 *Manganèse(II) hypophosphite-1-hydrate / Manganeso(II) hipofosfito-1-hidrato* $Mn(PH_2O_2)_2 \cdot H_2O$ $M = 202{,}93$ g/mol assay ..... 98 % arsenic (As) ..... 0,0005 % barium (Ba) ..... 0,005 % calcium (Ca) ..... 0,05 % iron (Fe) ..... 0,002 % heavy metals (as Pb) ..... 0,002 % chloride (Cl) ..... 0,01 % sulphate (SO_4) ..... 0,01 %	PF. PF. FTP. *2840*	1 kg 2,5 kg 50 kg	65,50 144,— price on request	55,70 119,50	52,40 112,30	50 108
13227	**Manganese(II) lactate trihydrate** pure Erg. B. 6 *Manganèse(II) lactate trihydrate / Manganeso(II) lactato trihidrato* $Mn[CH_3CH(OH)COO]_2 \cdot 3H_2O$ $C_6H_{10}MnO_6 \cdot 3H_2O$ $M = 287{,}13$ g/mol assay ..... 99 % pH range (5 %, 20 °C) ..... 5—7 iron (Fe) ..... 0,002 % heavy metals (as Pb) ..... 0,002 % chloride (Cl) ..... 0,005 % sulphate (SO_4) ..... 0,01 %	PF. *2916*	1 kg	34,50	29,35	27,60	26
31423 C 5.1 1477 2	**Manganese(II) nitrate-4-hydrate** R. G. *Manganèse(II) nitrate-4-hydrate / Manganeso(II) nitrato-4-hidrato* $Mn(NO_3)_2 \cdot 4H_2O$ $M = 251{,}01$ g/mol assay ..... min. 98 % insoluble in water ..... max. 0,005 % ammonium (NH_4) ..... max. 0,05 % lead (Pb) ..... max. 0,001 % calcium (Ca) ..... max. 0,002 % iron (Fe) ..... max. 0,0005 % potassium (K) ..... max. 0,005 % copper (Cu) ..... max. 0,0005 % magnesium (Mg) ..... max. 0,005 % sodium (Na) ..... max. 0,005 % zinc (Zn) ..... max. 0,001 % chloride (Cl) ..... max. 0,001 % sulphate (SO_4) ..... max. 0,005 %	PF. PF. FTP. *2839*	250 g 1 kg 25 kg	11,75 30,— kg	10,— 25,50 14,25	9,40 24,—	8 23
17856 C 5.1 1477 2	**Manganese(II) nitrate-4-hydrate** PURANAL® *Manganèse(II) nitrate-4-hydrate / Manganeso(II) nitrato-4-hidrato* $Mn(NO_3)_2 \cdot 4H_2O$ $M = 251{,}01$ g/mol analytical data on request	PF. FTP. *2839*	2,5 kg 50 kg	price on request price on request			
13228 C 5.1 1477 2	**Manganese(II) nitrate-4-hydrate** pure *Manganèse(II) nitrate-4-hydrate / Manganeso(II) nitrato-4-hidrato* $Mn(NO_3)_2 \cdot 4H_2O$ $M = 251{,}01$ g/mol assay ..... 98 % iron (Fe) ..... 0,002 % heavy metals (as Pb) ..... 0,002 % chloride (Cl) ..... 0,005 % sulphate (SO_4) ..... 0,02 %	PF. PF. FTP. *2839*	500 g 1 kg 50 kg	12,75 23,— price on request	10,85 19,55	10,20 18,40	9 17
17918 C 5.1 1477 2	**Manganese(II) nitrate-6-hydrate** PURANAL® *Manganèse(II) nitrate-6-hydrate / Manganeso(II) nitrato-6-hidrato* $Mn(NO_3)_2 \cdot 6H_2O$ $M = 287{,}04$ g/mol	PF. FTP. *2839*	5 kg 50 kg	price on request price on request			

refer explanations

Number DR /GGVS -CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
811 3	**Manganese(IV) oxide** 90—95%, powder *Manganèse(IV) oxyde / Manganeso(IV) óxido* MnO_2 $M = 86{,}94$ g/mol assay ..... 92% insoluble in hydrochloric acid ..... 3,5% loss on drying (105 °C) ..... 0,1% iron (Fe) ..... 0,3% silicium dioxide (SiO_2) ..... 3% R: 20/22 S: 25 disposal: 16	PF. PF. S. 2601	1 kg 5 kg 50 kg	13,25 49,25 kg	11,25 40,90 2,60	10,60 38,40	10,20 36,95
811 3	**Manganese(IV) oxide** 80—85%, powder *Manganèse(IV) oxyde / Manganeso(IV) óxido* MnO_2 $M = 86{,}94$ g/mol assay ..... 82% insoluble in hydrochloric acid ..... 8% loss on drying (105 °C) ..... 0,5% iron (Fe) ..... 0,3% silicium dioxide (SiO_2) ..... 7% R: 20/22 S: 25 disposal: 16	PF. S. 2601	5 kg 50 kg	29,50 kg	24,50 1,80	23,—	22,15
	Manganese(IV) oxide G *Manganèse(IV) oxyde G / Manganeso(IV) óxido G*	FTP. 2601	100 kg	price on request			
2811 3	**Manganese(IV) oxide** for Thiokol® hardening C *Manganèse(IV) oxyde / Manganeso(IV) óxido* ® = trade mark of Thiokol Co. MnO_2 $M = 86{,}94$ g/mol R: 20/22 S: 25 disposal: 16	PF. FTP. 2822	1 kg 100 kg	price on request price on request			
2811 3	**Manganese(IV) oxide** for Thiokol® hardening FA *Manganèse(IV) oxyde / Manganeso(IV) óxido* ® = trade mark of Thiokol Co. MnO_2 $M = 86{,}94$ g/mol R: 20/22 S: 25 disposal: 16	PF. FTP. 2822	1 kg 100 kg	price on request price on request			
2	**Manganese oxide hydrated** technical *Manganèse oxyde hydraté / Manganeso óxido hidrato* assay of Mn ..... 58% loss on drying (100 °C) ..... 1% iron (Fe) ..... 1% R: 20/22 S: 25 disposal: 16	PF. S. 2828	5 kg 50 kg	71,50 price on request	59,35	55,75	53,65
9	**Manganese oxide hydrated** technical for PVC-stabilization *Manganèse oxyde hydraté / Manganeso óxido hidrato*	2828					
	Manganese peroxide see Manganese(IV) oxide						
4	**Manganese(II) phosphate** technical *Manganèse(II) phosphate / Manganeso(II) fosfato* assay of manganese (Mn) ..... 35% loss on ignition 15%	PF. S. 2840	1 kg 50 kg	31,50 price on request	26,80	25,20	24,25

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31425	**Manganese(II) sulphate-1-hydrate** R. G., Reag. ACS, Reag. Ph. Eur. I *Manganèse(II) sulfate-1-hydrate / Manganeso(II) sulfato-1-hidrato* $MnSO_4 \cdot H_2O$ $M = 169{,}02$ g/mol assay ..... min. 99% insoluble in water ..... max. 0,005% loss on ignition (400—500 °C) ..... 10—12% calcium (Ca) ..... max. 0,005% iron (Fe) ..... max. 0,001% magnesium (Mg) ..... max. 0,005% sodium (Na) ..... max. 0,005% nickel (Ni) ..... max. 0,002% heavy metals (as Pb) ..... max. 0,001% zinc (Zn) ..... max. 0,001% chloride (Cl) ..... max. 0,005% matters reducing $KMnO_4$ (as O) ..... max. 0,0005%	PF. PF. PF. *2838*	500 g 1 kg 5 kg	20,25 37,— 155,—	17,20 31,45 128,65	16,20 29,60 120,90	15 28 116
13245	**Manganese(II) sulphate-1-hydrate** chem. pure cryst. *Manganèse(II) sulfate-1-hydrate / Manganeso(II) sulfato-1-hidrato* $MnSO_4 \cdot H_2O$ $M = 169{,}02$ g/mol assay ..... 98% calcium (Ca) ..... 0,02% iron (Fe) ..... 0,001% magnesium (Mg) ..... 0,02% heavy metals (as Pb) ..... 0,002% chloride (Cl) 0,01%	PF. PF. S. *2838*	1 kg 5 kg 50 kg	23,— 86,50 price on request	19,55 71,80	18,40 67,45	17 64
13246	**Manganese(II) sulphate-1-hydrate** pure *Manganèse(II) sulfate-1-hydrate / Manganeso(II) sulfato-1-hidrato* $MnSO_4 \cdot H_2O$ $M = 169{,}02$ g/mol assay ..... 98% calcium (Ca) ..... 0,1% iron (Fe) ..... 0,002% magnesium (Mg) ..... 0,05% heavy metals (as Pb) ..... 0,004% chloride (Cl) 0,01%	PF. PF. S. *2838*	1 kg 5 kg 50 kg	19,25 71,50 price on request	16,35 59,35	15,40 55,75	14 53
13255	**Manganese(II) sulphate-1-hydrate** technical *Manganèse(II) sulfate-1-hydrate / Manganeso(II) sulfato-1-hidrato* $MnSO_4 \cdot H_2O$ $M = 169{,}02$ g/mol assay ..... 98% calcium (Ca) ..... 0,2% iron (Fe) ..... 0,005% magnesium (Mg) ..... 0,1% heavy metals (as Pb) ..... 0,004% chloride (Cl) 0,01%	PF. PF. S. *2838*	1 kg 5 kg 50 kg	12,— 45,— price on request	10,20 37,35	9,60 35,10	9 33
	Manganese superoxide see Manganese(IV) oxide						
33440	**D(–)-Mannitol** R. G. *D(–)-Mannitol / D(–)-Manita* $HOCH_2(CHOH)_4CH_2OH$ $C_6H_{14}O_6$ $M = 182{,}17$ g/mol assay ..... min. 99% melting range ..... 165—168 °C spec. rotation $([\alpha]_D^{20}$; c = 10, sodium borate) ..... +23,5 to +24,3° water (according to Karl Fischer) ..... max. 0,3% sulphated ash ..... max. 0,05% arsenic (As) ..... max. 0,0001% calcium (Ca) ..... max. 0,001% iron (Fe) ..... max. 0,001% heavy metals (as Pb) ..... max. 0,001% chloride (Cl) ..... max. 0,005% sulphate (SO_4) ..... max. 0,01% reducing impurities (as glucose) ..... max. 0,04%	PF. PF. *2904*	100 g 500 g	9,50 26,25	8,10 22,30	7,60 21,—	7 20

refer explanations

umber R GGVS CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	D(–)-Mannitol DAC, U.S.P. XIX *D(–)-Mannitol / D(–)-Manita* $OHCH_2(CHOH)_4CH_2OH$ $C_6H_{14}O_6$ $M = 182{,}17$ g/mol assay (dried substance) ..... 99,5% melting range ..... 165–168 °C specific rotation ($[\alpha]_D^{20}$, c = 10, sodium borate) .... + 23,5 to + 24,3° loss on drying (105 °C, 4 h) ..... 0,2% sulphated ash ..... 0,05% arsenic (As) ..... 0,0001% calcium (Ca) ..... 0,001% iron (Fe) ..... 0,001% heavy metals (as Pb) ..... 0,001% chloride (Cl) ..... 0,005% sulphate (SO_4) 0,01%	PF. PF. PF. FTP. *2904*	250 g 500 g 1 kg 50 kg	8,25 11,75 21,— price on request	7,— 10,— 17,85	6,60 9,40 16,80	6,20 9,05 16,15
	D(+)-Mannose BIOSYNTH® *D(+)-Mannose / D(+)-Manosa* $HOCH_2\underline{CH(CHOH)_4O}$ $C_6H_{12}O_6$ $M = 180{,}16$ g/mol specific rotation ($[\alpha]_D^{20}$; c = 10 in H_2O) ... +14,3° ± 0,5°	PF. *2943*	100 g	113,50	96,50	90,80	85,15
	Margaric acid see Heptadecanoic acid						
3	**Marlophen® 87** for gas chromatography trade mark of Chemische Werke Hüls working temperature ..... 50 to 200 °C	FL. *2908*	50 g	21,50	18,30	17,20	16,15
3 53 624 2	**Mayer's reagent** Reag. Ph. Eur. I *Réactif de Mayer / Reactivo de Mayer* 1 L ≈ 1,05 kg R: 26/27/28-33 S: 1/2-13-28-45 disposal: 26	PF. *3819*	250 ml	9,50	8,10	7,60	7,15
	May-Grünwald see Eosin methylene-blue acc. to May-Grünwald						
0 210 2810 2	**MBBA** [N-(p-Metoxybenzylidene)-p-butylaniline] $CH_3OC_6H_4CH=NC_6H_4(CH_2)_3CH_3$ $C_{18}H_{21}NO$ $M = 267{,}37$ g/mol melting point ..... 21 °C clarification range ..... 44–45 °C	FL. FL. *2926*	25 g 100 g	price on request price on request			
7 /83NB ./. 3	**MCPA** min. 99% PESTANAL® (4-Chloro-2-methylphenoxyacetic acid) $Cl(CH_3)C_6H_3OCH_2COOH$ $C_9H_9ClO_3$ $M = 200{,}62$ g/mol R: 20/21/22 S: 2-13 disposal: 7	FL. *2916*	1 g	21,50	18,30	17,20	16,15
38 /83NB ./. 3	**MCPA-methyl ester** min. 99% PESTANAL® (4-Chloro-2-methylphenoxy methyl acetate) $Cl(CH_3)C_6H_3OCH_2COOCH_3$ $C_{10}H_{11}ClO_3$ $M = 214{,}65$ g/mol R: 20/21/22 S: 2-13 disposal: 7	FL. *2916*	2 g	35,75	30,40	28,60	26,80
39 /83NB ./. 3	**MCPB** min. 99% PESTANAL® [4-(4-Chloro-2-methylphenoxy)-butyric acid] $Cl(CH_3)C_6H_3O(CH_2)_3COOH$ $C_{11}H_{13}ClO_3$ $M = 228{,}67$ g/mol R: 20/21/22 S: 2-13 disposal: 7	FL. *2916*	1 g	18,—	15,30	14,40	13,50

HYDRANAL® a new Karl Fischer reagent

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35740 A 6.1/83NB C 6.1 ./. 3	**MCPB-methyl ester** min. 99% PESTANAL® [4-(4-Chloro-2-methylphenoxy)-methyl butyrate] $Cl(CH_3)C_6H_3O(CH_2)_3COOCH_3$ $C_{12}H_{15}ClO_3$ *M* = 242,70 g/mol R: 20/21/22 S: 2-13 disposal: 7	FL. *2916*	2 g	35,75	30,40	28,60	26,8
35741 A 6.1/83NB C 6.1 ./. 3	**Mecoprop** min. 99% PESTANAL® [2-(4-Chloro-2-methylphenoxy)-propionic acid] $Cl(CH_3)C_6H_3OCH(CH_3)COOH$ $C_{10}H_{11}ClO_3$ *M* = 214,65 g/mol R: 20/21/22 S: 2-13 disposal: 7	FL. *2916*	1 g	14,25	12,10	11,40	10,7
35742 A 6.1/83 C 6.1 ./. 3	**Mecoprop-methyl ester** min. 99% PESTANAL® [2-(4-Chloro-2-methylphenoxy)-methyl propionate] $Cl(CH_3)C_6H_3OCH(CH_3)COOCH_3$ $C_{11}H_{13}ClO_3$ *M* = 228,67 g/mol R: 20/21/22 S: 2-13 disposal: 7	FL. *2916*	2 g	35,75	30,40	28,60	26,8
35783 A 6.1/81C C 6.1 ./. 3	**Medinoterb acetate** min. 99% PESTANAL® (2,4-Dinitro-3-methyl-6-*tert.*butylphenyl acetate) $(NO_2)_2(CH_3)C_6H[C(CH_3)_2]OOCCH_3$ $C_{13}H_{16}N_2O_6$ *M* = 296,28 g/mol R: 23/24/25 S: 2-13-44 disposal: 7	FL. *2914*	1 g	28,25	24,—	22,60	21,2
	Melamine see 2,4,6-Triamino-1,3,5-triazine						
65082	**Meldrum's acid** PROSYNTH® *Acide d'après Meldrum / Acido según Meldrum* $OCCH_2COOC[(CH_3)_2]O$ $C_6H_8O_4$ *M* = 144,13 g/mol assay (alkalimetric) ..... 95% melting range ..... 91—93 °C	WG. *2915*	100 g	80,—	68,—	64,—	60,—
39151	**α-D(+)-Melibiose monohydrate** BIOSYNTH® *α-D(+)-Mélibiose monohydraté / α-D(+)-Melibiosa monohidrato* $C_{12}H_{22}O_{11} \cdot H_2O$ *M* = 360,31 g/mol specific rotation ($[\alpha]_D^{20}$; c=4 in H_2O) ..... +134° ± 2°	WG. *2943*	10 g	60,—	51,—	48,—	45,—
	Menadione see 2-Methyl-1,4-naphthoquinone						
	D-p-Menthanol-(3) see (–)-Menthol						
15785	**(–)-Menthol** chem. pure DAB 8 *(–)-Menthol / (–)-Mentol* $C_6H_9(CH_3)(OH)(C[CH_3]_2)$ $C_{10}H_{20}O$ *M* = 156,27 g/mol assay ..... 99% melting range ..... 41—44 °C specific rotation ($[\alpha][_D^{20}]$, c = 10 in C_2H_5OH 90%) ..... —47 to —51 °	WG. WG. *2905*	100 g 1 kg	24,25 184,—	20,60 156,40	19,40 147,20	18,4 141,6
16472 A 3/4 +92 °C	**Menthyl *iso*-valerianate** Erg. B. 6 *Menthyle isò-valériate / Mentilo iso-valerianato* $C_{15}H_{28}O_2$ *M* = 240,39 g/mol 1 L ≈ 0,90 kg	ALU. *2914*	1 L	156,—	132,60	124,80	120,—
16471 A 3/4 +92 °C	**Menthyl *n*-valerianate** *Menthyle n-valériate / Mentilo n-valerianato* $C_{15}H_{28}O_2$ *M* = 240,39 g/mol 1 L ≈ 0,90 kg	ALU. *2914*	1 L	137,50	116,90	110,—	105,—
	Mercaptoacetic acid see Thioglycollic acid						

umber R GGVS ODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	2-Mercaptobenzimidazole PROSYNTH® *2-Mercaptobenzimidazole / 2-Mercaptobenzimidazol* $C_6H_4NHC(SH)=N$ $C_7H_6N_2S$ $M = 150{,}20$ g/mol assay (ex S) ..... 96% melting range ..... 300—305 °C	PF. *2935*	250 g	40,75	34,65	32,60	30,55
	2-Mercaptobenzoic acid PROSYNTH® *Acide 2-mercaptobenzoïque / Acido 2-mercaptobenzóico* HSC_6H_4COOH $C_7H_6O_2S$ $M = 154{,}19$ g/mol assay (alkalimetric) ..... 97% melting range ..... 162—165 °C	PF. *2931*	50 g	29,—	24,65	23,20	21,75
	2-Mercaptobenzothiazole R. G. *2-Mercaptobenzothiazole / 2-Mercaptobenzotiazol* $C_6H_4SC(SH)=N$ $C_7H_5NS_2$ $M = 167{,}25$ g/mol assay ..... min. 99% sulphated ash ..... max. 0,1% melting range ..... 181—183 °C suitability for determination of metals ..... passes test	WG. *2935*	25 g	17,75	15,10	14,20	13,30
	2-Mercaptobenzothiazole PROSYNTH® *2-Mercaptobenzothiazole / 2-Mercaptobenzotiazol* $C_6H_4SC(SH)=N$ $C_7H_5NS_2$ $M = 167{,}25$ g/mol assay (alkalimetric) ..... 98% melting range ..... 175—178 °C	PF. *2935*	1 kg	44,25	37,60	35,40	34,05
2	**2-Mercaptobenzoxazole** PROSYNTH® *2-Mercaptobenzoxazole / 2-Mercaptobenzoxazol* $C_6H_4OC(SH)=N$ C_7H_5NOS $M = 151{,}19$ g/mol assay (iodometric) ..... 97% melting range ..... 193—196 °C	WG. *2935*	10 g	25,50	21,70	20,40	19,15
6 2810 3 C	**2-Mercaptoethanol** PROSYNTH® *2-Mercaptoéthanol / 2-Mercaptoetanol* $HSCH_2CH_2OH$ C_2H_6OS $M = 78{,}13$ g/mol 1 L ≈ 1,11 kg assay (GC) ..... 98% boiling range (at 16 mbar) ..... 53—55 °C refractive index (n_D^{20}) 1,500	FL. *2931*	100 ml	8,75	7,45	7,—	6,55
7	**2-Mercapto-1-methylimidazole** PROSYNTH® *2-Mercapto-1-méthylimidazole / 2-Mercapto-1-metilimidazol* $CH_3NC(SH)=NCH=CH$ $C_4H_6N_2S$ $M = 114{,}17$ g/mol assay ..... 97% melting range ..... 143—145 °C	WG. *2935*	10 g	22,25	18,90	17,80	16,70
9 10 760 2	**2-Mercaptopropionic acid** PROSYNTH® *Acide 2-mercaptopropionique / Acido 2-mercaptopropiónico* $CH_3CH(SH)COOH$ $C_3H_6O_2S$ $M = 106{,}14$ g/mol 1 L ≈ 1,20 kg assay (alkalimetric) ..... 99% boiling range (at 13 mbar) ..... 94—96 °C refractive index (n_D^{20}) 1,482	FL. *2931*	100 ml	23,—	19,55	18,40	17,25

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62740 A 8/210 C 8 1760 2	**3-Mercaptopropionic acid** PROSYNTH® *Acide 3-mercaptopropionique / Acido 3-mercaptopropiónico* $HSCH_2CH_2COOH$ $C_3H_6O_2S$ $M = 106{,}14$ g/mol **1 L ≈ 1,22 kg** assay (alkalimetric) ..... 99% boiling range (at 1,3 mbar) ..... 96–98 °C	FL. *2931*	100 ml	23,50	20,—	18,80	17,—
39181	**6-Mercaptopurine** BIOSYNTH® *6-Mercaptopurine / 6-Mercaptopurina* $C_5H_4N_4S$ $M = 152{,}18$ g/mol melting range ..... 313–314 °C	FL. *2935*	1 g	13,—	11,05	10,40	9,—
	2-Mercaptopyrimidine see Pyrimidinethiol-(2)						
62738	**Mercaptosuccinic acid** PROSYNTH® *Acide mercaptosuccinique / Acido mercaptosuccínico* $HOOCCH(SH)CH_2COOH$ $C_4H_6O_4S$ $M = 150{,}16$ g/mol assay (alkalimetric) ..... 97% melting range ..... 150–152 °C	PF. *2931*	100 g	41,25	35,05	33,—	30,—
	α-Mercaptotoluene see Benzylmercaptan						
31002	**Mercury** R. G., Reag. Ph. Eur. I *Mercure / Mercurio* Hg $M = 200{,}59$ g/mol insoluble in nitric acid ..... max. 0,002% non-volatile matter ..... max. 0,002% lead (Pb) ..... max. 0,00001% cadmium (Cd) ..... max. 0,00001% iron (Fe) ..... max. 0,00005% copper (Cu) ..... max. 0,00001% nickel (Ni) ..... max. 0,00001% other heavy metals (as Pb) ..... max. 0,0001% thallium (Tl) ..... max. 0,00005% bismuth (Bi) ..... max. 0,00001% zinc (zn) ..... max. 0,00005% suitability for polarography ..... passes test R: 23-33 S: 7-44 disposal: 24	PF. PF. PF. *2805*	100 g 500 g 1 kg	21,50 87,50 160,—	18,30 74,40 136,—	17,20 70,— 128,—	16,— 67,— 123,—
10008	**Mercury** chem. pure *Mercure / Mercurio* Hg $M = 200{,}59$ g/mol insoluble in nitric acid ..... 0,002% non-volatile matter ..... 0,002% iron (Fe) ..... 0,0003% other heavy metals (as Pb) ..... 0,0001% R: 23-33 S: 7-44 disposal: 24	PF. PF. *2805*	100 g 1 kg	17,50 134,—	14,90 113,90	14,— 107,20	13,— 103,—
10002	**Mercury** *Mercure / Mercurio* Hg $M = 200{,}59$ g/mol R: 23-33 S: 7-44 disposal: 24	PF. PF. *2805*	500 g 1 kg	69,— 126,50	58,65 107,55	55,20 101,20	53,— 97,—
38624 A 6.1/53 C 6.1 2810 2	**0,100 g Mercury** FIXANAL® water-soluble standard for atom absorption *10,00 g Mercure / 10,00 g Mercurio* ampoule R: 25-36/38 S: 25-44 disposal: 10	*3819*	1 pack	10,25	8,70	8,20	7,—

lumber DR GGVS CODE (GGVSee)	Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
0,100 g *organo-***Mercury** FIXANAL® petroleum ether-soluble standard for atom absorption 92 2 *0,100 g organo-Mercure / 0,100 g organo-Mercurio* ampoule	*3819*	**1 pack**	33,75	28,70	27,—	25,30
1,00 g Mercury FIXANAL® watersoluble standard for atom absorption 24 1 *1,00 g Mercure / 1,00 g Mercurio* ampoule R: 25-36/38 S: 25-44 disposal: 10	*3819*	**1 pack**	10,25	8,70	8,20	7,70
10,00 g Mercury FIXANAL® as Mercury(II) chloride 3 *10,00 g Mercure / 10,00 g Mercurio* 310 2 ampoule	*3819*	**1 pack**	18,75	15,95	15,—	14,05
Mercury(II) acetate R. G., Reag. ACS, Reag. Ph. Eur. I 3 *Mercure(II) acétate / Mercurio(II) acetato* 629 2 $Hg(CH_3COO)_2$ $C_4H_6HgO_4$ $M = 318,68$ g/mol assay ..... min. 99% insoluble in acetic acid ..... max. 0,01% sulphated ash ..... max. 0,02% iron (Fe) ..... max. 0,001% heavy metals (as Pb) ..... max. 0,002% mercury(I) (Hg^{1+}) ..... max. 0,3% chloride (Cl) ..... max. 0,005% nitrate (NO_3) ..... max. 0,005% sulphate (SO_4) ..... max. 0,005% R: 26/27/28-33 S: 1/2-13-28-45 disposal: 10	PF. *2914*	**100 g** **500 g**	18,75 75,50	15,95 64,20	15,— 60,40	14,05 58,15
4 **Mercury(II) acetate** 53 *Mercure(II) acétate / Mercurio(II) acetato* 1629 2 $Hg(CH_3COO)_2$ $C_4H_6HgO_4$ $M = 318,68$ g/mol assay ..... 98,5% residue on ignition (as sulphates) ..... 0,1% iron (Fe) ..... 0,001% mercury(I) (Hg^{1+}) ..... 0,5% chloride (Cl) ..... 0,03% sulphate (SO_4) ..... 0,005% R: 26/27/28-33 S: 1/2-13-28-45 disposal: 10	PF. *2914*	**100 g** **1 kg**	16,75 122,50	14,25 104,15	13,40 98,—	12,55 94,35
05 **Mercury(II) amidochloride** powder DAC /53 *Mercure(II) amidochlorure / Mercurio(II) amidocloruro* 2024 2 $(HgNH_2)Cl$ $M = 252,07$ g/mol assay ..... 99% residue on ignition ..... 0,1% acidly or alkalinely reacting impurities ..... passes test R: 26/27/28-33 S: 2-13-28-36-45 disposal: 10	PF. *2858*	**100 g** **500 g**	19,— 78,50	16,15 66,75	15,20 62,80	14,25 60,45
Mercury ammoniated see Mercury(II) amidochloride						
12 **Mercury(II) bromide** R. G., Reag. ACS, Reag. Ph. Eur. I /53 *Mercure(II) bromure / Mercurio(II) bromuro* 1634 2 $HgBr_2$ $M = 360,42$ g/mol assay ..... min. 99,5% insoluble in methanol ..... max. 0,04% sulphated ash ..... max. 0,02% arsenic (As) ..... max. 0,0005% chloride (Cl) ..... max. 0,2% R: 26/27/28-33 S: 1/2-13-28-45 disposal: 10	PF. *2830*	**100 g**	price on request			

Code-Number
A) RID/ADR
B) GGVE/GGVS
C) IMDG-CODE (GGVSee)

Type of package B.T.N.

Price per package DM | 1x | 6x (1 Box) | 24x (4 Boxes) | 96 (16 Bo

31004 **Mercury(I) chloride** (calomel) R. G., Reag. ACS, Reag. Ph. Eur. I
6.1 2024 3
Mercure(I) chlorure / Mercurio(I) cloruro

Hg_2Cl_2 $M = 472{,}09$ g/mol

assay ..... min. 99,6%
residue on ignition (as sulphates) ..... max. 0,02%
iron (Fe) ..... max. 0,001%
heavy metals (as Pb) ..... max. 0,002%
mercury(II) (Hg^{2+}) ..... max. 0,01%
sulphate (SO_4) ..... max. 0,01%

R: 22 S: 2
disposal: 24

PF.	100 g	24,75	21,05	19,80	18
PF.	250 g	48,25	41,—	38,60	36
PF.	1 kg	163,—	138,55	130,40	125
2830					

10009 **Mercury(I) chloride** (calomel) DAB 7
C 6.1 2024 3
Mercure(I) chlorure / Mercurio(I) cloruro

Hg_2Cl_2 $M = 472{,}09$ g/mol

assay 99,5%
residue on ignition (as sulphates) 0,05%
other heavy metals (as Pb), soluble mercury salts 0,002%
sulphate (SO_4) 0,01%

R: 22 S: 2
disposal: 24

PF.	100 g	18,75	15,95	15,—	14
PF.	250 g	42,—	35,70	33,60	31
2830					

31005 **Mercury(II) chloride** (sublimed) R. G., Reag. ACS, Reag. Ph. Eur. I
A 6.1/53
C 6.1 1624 2
Mercure(II) chlorure / Mercurio(II) cloruro

$HgCl_2$ $M = 271{,}50$ g/mol

assay ..... min. 99%
loss on drying (on P_2O_5) ..... max. 1%
lead (Pb) ..... max. 0,0005%
cadmium (Cd) ..... max. 0,0005%
residue on ignition (as sulphates) ..... max. 0,01%
iron (Fe) ..... max. 0,0005%
copper (Cu) ..... max. 0,001%
nickel (Ni) ..... max. 0,0005
other heavy metals (as Pb) ..... max. 0,001%
silver (Ag) ..... max. 0,0005%
zinc (Zn) ..... max. 0,0005%
mercury(I) chloride (Hg_2Cl_2) ..... max. 0,003%
sulphate (SO_4) ..... max. 0,02%
total nitrogen (N) ..... max. 0,005%
matter reducing $KMnO_4$ (as O) ..... max. 0,001%

R: 26/27/28-33 S: 1/2-13-28-45
disposal: 10

PF.	100 g	19,75	16,80	15,80	14
PF.	500 g	80,—	68,—	64,—	61
PF.	2,5 kg	323,—	268,10	251,95	242
2830					

10012 **Mercury(II) chloride** (sublimed) cryst. powder Ph. Eur. I, B. P. C. 1973, Ph. Franç. IX
A 6.1/53
C 6.1 1624 2
Mercure(II) chlorure / Mercurio(II) cloruro

$HgCl_2$ $M = 271{,}50$ g/mol

assay 99,5%
residue on ignition (as sulphates) 0,05%
iron (Fe) 0,001%
other heavy metals (as Pb) 0,001%
mercury(I) chloride (Hg_2Cl_2) ..... passes test
sulphate (SO_4) 0,02%

R: 26/27/28-33 S: 1/2-13-28-45
disposal: 10

PF.	250 g	36,75	31,25	29,40	2
PF.	1 kg	122,—	103,70	97,60	9
2830					

10015 **Mercury(II) iodide** red DAB 6
A 6.1/53
C 6.1 1638 2
Mercure(II) iodure / Mercurio(II) yoduro

HgJ_2 $M = 454{,}40$ g/mol

assay 99%
residue on ignition 0,02%
water-soluble heavy metals (as Pb) 0,01%
chloride (Cl) 0,005%

R: 26/27/28-33 S: 1/2-13-28-45
disposal: 10

PF.	100 g	18,75	15,95	15,—	1
PF.	250 g	43,—	36,55	34,40	3
PF.	1 kg	143,—	121,55	114,40	11
2830					

refer explanations

umber R GGVS CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	Mercury(I) nitrate-2-hydrate R. G. *Mercure(I) nitrate-2-hydrate / Mercurio(I) nitrato-2-hidrato* $Hg_2(NO_3)_2 \cdot 2H_2O$ $M = 561{,}22$ g/mol assay ..... min. 97% insoluble in nitric acid ..... max. 0,005% residue on ignition (as sulphates) ..... max. 0,01% iron (Fe) ..... max. 0,0001% mercury(II) (Hg^{2+}) ..... max. 0,5% heavy metals (as Pb) ..... max. 0,002% chloride (Cl) ..... max. 0,005% sulphate (SO_4) ..... max. 0,005% R: 26/27/28-33 S: 1/2-13-28-45 disposal: 10	PF. PF. PF. *2839*	100 g 250 g 1 kg	17,— 38,50 129,—	14,45 32,75 109,65	13,60 30,80 103,20	12,75 28,90 99,35
27 2	**Mercury(I) nitrate-2-hydrate** cryst. *Mercure(I) nitrate-2-hydrate / Mercurio(I) nitrato-2-hidrato* $Hg_2(NO_3)_2 \cdot 2H_2O$ $M = 561{,}22$ g/mol R: 26/27/28-33 S: 1/2-13-28-45 disposal: 10	PF. PF. *2839*	100 g 1 kg	16,— 120,—	13,60 102,—	12,80 96,—	12,— 92,40
3 641 2	**Mercury(II) oxide** red R. G., Reag. ACS *Mercure(II) oxyde / Mercurio(II) óxido* HgO $M = 216{,}59$ g/mol assay ..... min. 99% insoluble in hydrochloric acid ..... max. 0,03% residue on ignition (as sulphates) ..... max. 0,025% lead (Pb) ..... max. 0,0005% cadmium (Cd) ..... max. 0,0001% iron (Fe) ..... max. 0,001% copper (Cu) ..... max. 0,0005% zinc (Zn) ..... max. 0,0005% chloride (Cl) ..... max. 0,1% sulphate (SO_4) ..... max. 0,005% total nitrogen (N) ..... max. 0,005% R: 26/27/28-33 S: 1/2-13-28-45 disposal: 10	PF. PF. PF. *2828*	25 g 100 g 500 g	8,75 24,— 98,50	7,45 20,40 83,75	7,— 19,20 78,80	6,55 18,— 75,85
2 53 1641 2	**Mercury(II) oxide** red *Mercure(II) oxyde / Mercurio(II) óxido* HgO $M = 216{,}59$ g/mol assay ..... 99% loss on drying (105 °C) ..... 0,5% residue on ignition (as sulphates) ..... 0,2% chloride (Cl) ..... 0,002% R: 26/27/28-33 S: 1/2-13-28-45 disposal: 10	PF. PF. PF. *2828*	100 g 500 g 1 kg	20,75 85,50 156,—	17,65 72,70 132,60	16,60 68,40 124,80	15,55 65,85 120,10
9 53 1641 2	**Mercury(II) oxide** yellow R. G., Reag. ACS, Reag. Ph. Eur. I *Mercure(II) oxyde / Mercurio(II) óxido* HgO $M = 216{,}59$ g/mol assay ..... min. 99% insoluble in hydrochloric acid ..... max. 0,03% residue on ignition (as sulphates) ..... max. 0,025% lead (Pb) ..... max. 0,0005% cadmium (Cd) ..... max. 0,0001% iron (Fe) ..... max. 0,001% copper (Cu) ..... max. 0,0005% zinc (Zn) ..... max. 0,0005% chloride (Cl) ..... max. 0,025% sulphate (SO_4) ..... max. 0,005% total nitrogen (N) ..... max. 0,005% R: 26/27/28-33 S: 1/2-13-28-45 disposal: 10	WG. PF. *2828*	25 g 100 g	9,50 26,75	8,10 22,75	7,60 21,40	7,15 20,05

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)	Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96 (16 Bo
10020 **Mercury(II) oxide** yellow DAB 6 *Mercure(II) oxyde / Mercurio(II) óxido* A 6.1/53 C 6.1 1641 2 HgO *M* = 216,59 g/mol assay ..... 99% loss on drying (105 °C) ..... 0,5% residue on ignition (as sulphates) ..... 0,2% chloride (Cl) ..... 0,002% R: 26/27/28-33 S: 1/2-13-28-45 disposal: 10	PF. PF. *2828*	100 g 500 g	22,75 93,50	19,35 79,50	18,20 74,80	17, 72,
10021 **Mercury(II) oxide** yellow technical *Mercure(II) oxyde / Mercurio(II) óxido* A 6.1/53 C 6.1 1641 2 HgO *M* = 216,59 g/mol assay ..... 99% R: 26/27/28-33 S: 1/2-13-28-45 disposal: 10	PF. *2828*	1 kg	160,—	136,—	128,—	123,
10018 **Mercury(II) oxide cyanide** containing cyanide, DAB 6 *Mercure(II) oxycyanure / Mercurio(II) oxicianuro* A 6.1/53 C 6.1 1642 2 R: 23/24/25-33 S: 28-35-44 disposal: 10	PF. PF. *2843*	100 g 1 kg	41,25 296,—	35,05 246,50	33,— 232,—	30, 223,
Mercury potassium cyanide see Potassium tetracyanomercurate(II)						
Mercury precipitate white see Mercury(II) amidochloride						
Mercury rhodanide see Mercury(II) thiocyanate						
10025 **Mercury(I) sulphate** *Mercure(I) sulfate / Mercurio(I) sulfato* A 6.1/53 C 6.1 1628 2 Hg_2SO_4 *M* = 497,24 g/mol assay ..... 99% R: 26/27/28-33 S: 1/2-13-28-45 disposal: 10	PF. PF. *2838*	100 g 500 g	35,— 144,—	29,75 122,40	28,— 115,20	26, 110,
10029 **Mercury(II) sulphate** Erg. B. 6 *Mercure(II) sulfate / Mercurio(II) sulfato* A 6.1/53 C 6.1 1645 2 $HgSO_4$ *M* = 296,65 g/mol assay ..... 99% residue on ignition ..... 0,1% iron (Fe) ..... 0,005% chloride (Cl) ..... 0,005% R: 26/27/28-33 S: 1/2-13-28-45 disposal: 10	PF. PF. PF. *2838*	100 g 250 g 1 kg	23,25 49,25 167,—	19,75 41,85 141,95	18,60 39,40 133,60	17, 36, 128,
10031 **Mercury(II) sulphide** red (Vermilion) DAB 6 *Mercure(II) sulfure / Mercurio(II) sulfuro* C 6.1 2024 2 HgS *M* = 232,66 g/mol	PF. PF. *2835*	100 g 500 g	30,75 128,—	26,15 108,80	24,60 102,40	23 98
10033 **Mercury(II) thiocyanate** pure powder *Mercure(II) thiocyanate / Mercurio(II) tiocianato* A 6.1/53 C 6.1 1646 2 $Hg(SCN)_2$ *M* = 316,76 g/mol assay ..... 99% residue on ignition ..... 0,3% R: 26/27/28-33 S: 1/2-13-28-45 disposal: 10	PF. PF. *2844*	100 g 500 g	31,75 130,—	27,— 110,50	25,40 104,—	23 100

mber / GVS / ODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
MERGAL® Under the registered trade mark MERGAL® we supply a range of highly effective fungicides for imparting mould and bacteria resistant properties to paints and other technical products such as glues, packing materials, textiles, plastics and paper ect. Descriptive literature, samples and quotations will be gladly forwarded on request. Moreover, technical advice regarding their use is always available to our customers.							
Merrifield resin PROSYNTH® polystyrene chloromethylated with 2% divinylbenzene *Résine de Merrifield / Resina de Merrifield*		WG. 2901	10 g	9,50	8,10	7,60	7,15
Mesaconic acid PROSYNTH® *Acide mésaconique / Acido mesacónico* $HOOCCH=C(CH_3)COOH$ $C_5H_6O_4$ $M = 130{,}10$ g/mol assay (alkalimetric) ..... 98% melting range ..... 199—203 °C		WG. 2915	10 g	23,50	20,—	18,80	17,65
Mesitaldehyde see 2,4,6-Trimethylbenzaldehyde							
Mesitylene PROSYNTH® *Mésitylène / Mesitileno* $(CH_3)_3C_6H_3$ C_9H_{12} $M = 120{,}19$ g/mol **1 L ≈ 0,86 kg** assay (GC) ..... 99% boiling range ..... 163—165 °C refractive index (n_D^{20}) ..... 1,499 R: 10-37 disposal: 6		FL. 2901	1 L	48,75	41,45	39,—	37,55
N-Mesitylenesulphonyl-1-imidazole PROSYNTH® *N-Mesitylènesulfonyle-1-imidazole / N-Mesitilensulfonil-1-imidazol* $(CH_3)_3C_6H_2SO_2NCH=CHN=CH$ $C_{12}H_{14}N_2O_2S$ $M = 250{,}32$ g/mol assay ..... 97% melting range ..... 95—97 °C		WG. 2935	5 g	25,50	21,70	20,40	19,15
Mesityl oxide PROSYNTH® mixture of α- and β-isomers *Mésityle oxyde / Mesitilo óxido* $(CH_3)_2C=CHCOCH_3$ $C_6H_{10}O$ $M = 98{,}14$ g/mol **1 L ≈ 0,86 kg** assay (GC) ..... 99% assay on β-isomer (GC) ..... 7% R: 10-20/21/22 S: 25 disposal: 6		FL. 2913	1 L	15,75	13,40	12,60	12,15
Mesoxalic acid monohydrate PROSYNTH® *Acide mesoxalique monohydrate / Acido mesoxálico monohidrato* $(HO)_2C(COOH)_2 \cdot H_2O$ $C_3H_4O_6 \cdot H_2O$ $M = 154{,}08$ g/mol assay ..... 99% melting range ..... 118—120 °C (disint.)		WG. 2916	10 g	48,75	41,45	39,—	36,55
Metanilic acid PROSYNTH® *Acide métanilique / Acido metanílico* $NH_2C_6H_4SO_3H$ $C_6H_7NO_3S$ $M = 173{,}19$ g/mol assay 97%		PF. 2922	1 kg	136,50	116,05	109,20	105,10
Metanil yellow Reag. Ph. Eur. I (C. I. No. 13065, S. No. 169) *Jaune de métanile / Amarillo de metanilo* $C_6H_5NHC_6H_4N=NC_6H_4SO_3Na$ $C_{18}H_{14}N_3NaO_3S$ $M = 375{,}38$ g/mol		WG. 3205	50 g	8,75	7,45	7,—	6,55

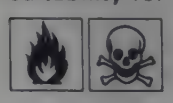
PANPEHA® universal indicator paper in strips

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	
	Metaphosphoric acid see *meta*-Phosphoric acid						
62747 A 8/21 C 8 2531 2	**Methacrylic acid** PROSYNTH® stabilized with hydroquinone (200 mg/l) *Acide méthacrylique / Acido metacrílico* $CH_2=C(CH_3)COOH$ $C_4H_6O_2$ $M = 86{,}09$ g/mol — **1 L ≈ 1,02 kg** assay (GC) ..... 99% boiling range ..... 160—162 °C refractive index (n_D^{20}) ..... 1,431 keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 34 S: 15-26 disposal: 21	FL. *2914*	500 ml	18,50	15,75	14,80	
64673 A 6.1/2A C 3.2 1992 2 -1 °C	**Methacrylonitrile** PROSYNTH® stabilized with hydroquinone monoethyl ether (0,04 g/l) *Méthacrylonitrile / Metacrilonitrilo* $CH_2=C(CH_3)CN$ C_4H_5N $M = 67{,}09$ g/mol — **1 L ≈ 0,80 kg** assay (GC) ..... 99% boiling range ..... 90—92 °C refractive index (n_D^{20}) ..... 1,400 keep in refrigerator à stocker dans le refrigidaire almacenaje en la nevera R: 11-23/24/25 S: 9-16-18-29-45 disposal: 15	FL. FL. *2927*	500 ml 1 L	47,50 87,50	40,40 74,40	38,— 70,—	
62754 A 6.1/4A C 3.1 • 1100 1 -10 °C	**Methallyl chloride** PROSYNTH® *Méthallyle chlorure / Metalilo cloruro* $CH_2=C(CH_3)CH_2Cl$ C_4H_7Cl $M = 90{,}55$ g/mol — **1 L ≈ 0,93 kg** assay (GC) ..... 98% boiling range ..... 72—74 °C refractive index (n_D^{20}) ..... 1,427 R: 11-20 S: 9-16-29-33 disposal: 7	FL. *2902*	500 ml	30,—	25,50	24,—	
60376	**Methanephosphonic acid** PROSYNTH® *Acide méthanephosphonique / Acido metanofosfónico* $CH_3PO(OH)_2$ CH_5O_3P $M = 96{,}02$ g/mol assay ..... 98% H_3PO_4 ..... 2% melting range ..... 102—104 °C	WG. *2934*	25 g	87,50	74,40	70,—	
60377 A 8/12 C 8 1759 2	**Methanephosphonic acid dichloride** PROSYNTH® *Acide méthanephosphonique dichlorure / Acido metanofosfónico dicloruro* CH_3POCl_2 CH_3Cl_2OP $M = 132{,}91$ g/mol assay (GC) ..... 98% $POCl_3$ (GC) ..... 2% melting range ..... 30—33 °C	FL. *2934*	25 g	87,50	74,40	70,—	

umber DR GGVS CODE (GGVSee)	Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
Methanesulphonic acid PROSYNTH® *Acide méthanesulfonique / Acido metanosulfónico* 2 CH_3SO_3H CH_4O_3S *M* = 96,11 g/mol 1 L ≈ 1,48 kg assay (alkalimetric) ..... 98 % boiling range (at 13 mbar) ..... 165—167 °C refractive index (n_D^{20}) 1,430	FL. *2903*	100 ml	27,75	23,60	22,20	20,80
Methanesulphonic anhydride PROSYNTH® *Anhydride méthanesulfonique / Anhídrido metanosulfónico* 9 2 $(CH_3SO_2)_2O$ $C_2H_6O_5S_2$ *M* = 174,20 g/mol assay ..... 98 %	A. *2903*	25 g	51,—	43,35	40,80	38,25
Methanesulphonyl chloride PROSYNTH® *Méthane sulfonylchlorure / Metano sulfonilcloruro* 60 2 CH_3SO_2Cl CH_3ClO_2S *M* = 114,55 g/mol 1 L ≈ 1,46 kg assay (ex Cl) ..... 98 % boiling range (at 973 mbar) ..... 158—160 °C refractive index (n_D^{20}) 1,452	FL. *2903*	250 ml	36,75	31,25	29,40	27,55
8 **Methanethiophosphonic acid dichloride** PROSYNTH® *Acide méthanethiophosphonique dichlorure / Acido metanotiofosfónico dicloruro* 59 2 CH_3PSCl_2 CH_3Cl_2PS *M* = 148,98 g/mol assay (GC) ..... 98 % $PSCl_3$ (GC) ..... 2 % boiling range ..... 150—152 °C	FL. *2931*	25 g	88,—	74,80	70,40	66,—
20 **Methanol-d_4** deuteration degree not less than 99,8 atom %D *Méthanol-d_4 / Metanol-d_4* 1230 2 CD_3OD C CD_4O *M* = 36,01 g/mol 1 L ≈ 0,89 kg R: 11-23/25 S: 2-7-16-24 disposal: 5	A. FL. *2851*	10 ml 50 ml	180,— 747,—	153,— 634,95	144,— 597,60	135,— 560,25
31 **Methanol-d_4** deuteration degree not less than 99,5 atom %D *Méthanol-d_4 / Metanol-d_4* 1230 2 CD_3OD C CD_4O *M* = 36,01 g/mol 1 L ≈ 0,89 kg R: 11-23/25 S: 2-7-16-24 disposal: 5	A. FL. *2851*	10 ml 50 ml	76,— 317,—	64,60 269,45	60,80 253,60	57,— 237,75

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	
32213 A 3/5 C 3.2 1230 2 +11 °C	**Methanol** R. G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I *Méthanol / Metanol* CH_3OH CH_4O $M = 32,04$ g/mol **1 L ≈ 0,79 kg** assay (GC) ..... min. 99,8 % boiling range ..... 64—65 °C density (D_4^{20}) ..... 0,790—0,792 refractive index (n_D^{20}) ..... 1,3280—1,3300 non-volatile matter ..... max. 0,001 % water (according to Karl Fischer) ..... max. 0,05 % free acid (as HCOOH) ..... max. 0,002 % free alkali (as NH_3) ..... max. 0,00005 % aluminium (Al) ..... max. 0,00005 % barium (Ba) ..... max. 0,00001 % lead (Pb) ..... max. 0,000002 % boron (B) ..... max. 0,000002 % cadmium (Cd) ..... max. 0,000005 % calcium (Ca) ..... max. 0,00005 % chromium (Cr) ..... max. 0,000002 % iron (Fe) ..... max. 0,00001 % cobalt (Co) ..... max. 0,000002 % copper (Cu) ..... max. 0,000001 % magnesium (Mg) ..... max. 0,00001 % manganese (Mn) ..... max. 0,000002 % nickel (Ni) ..... max. 0,000002 % zinc (Zn) ..... max. 0,000005 % tin (Sn) ..... max. 0,00001 % chloride (Cl) ..... max. 0,00005 % sulphate (SO_4) ..... max. 0,0001 % $KMnO_4$ red. matters (as O) ..... max. 0,00025 % reaction to sulphuric acid ..... passes test acetone ..... max. 0,001 % aldehydes (as HCHO) ..... max. 0,0001 % carbonyl compounds (as CO) ..... max. 0,005 % ethanol ..... max. 0,1 % R: 11-23/25 S: 2-7-16-24 disposal: 5	FL. FL. STP. STP. STP. *2904*	1 L 2,5 L 45 kg 5x 10x	14,50 28,25 kg kg kg	12,35 23,45 5,80 5,50 5,25	11,30 22,05	1 2
34940 A 3/5 C 3.2 1230 2 +11 °C	**Methanol** R. G., Reag. Ph. Eur. I dried (max. 0,01 % H_2O) *Méthanol / Metanol* CH_3OH CH_4O $M = 32,04$ g/mol **1 L ≈ 0,79 kg** assay (GC) ..... min. 99,8 % boiling range ..... 64—65 °C density (D_4^{20}) ..... 0,790—0,792 refractive index (n_D^{20}) ..... 1,3280—1,3300 non-volatile matter ..... max. 0,001 % water (according to Karl Fischer) ..... max. 0,01 % free acid (as HCOOH) ..... max. 0,002 % free alkali (as NH_3) ..... max. 0,00005 % aluminium (Al) ..... max. 0,00005 % barium (Ba) ..... max. 0,00001 % lead (Pb) ..... max. 0,000002 % boron (B) ..... max. 0,000002 % cadmium (Cd) ..... max. 0,000005 % calcium (Ca) ..... max. 0,00005 % chromium (Cr) ..... max. 0,000002 % iron (Fe) ..... max. 0,00001 % cobalt (Co) ..... max. 0,000002 % copper (Cu) ..... max. 0,000001 % magnesium (Mg) ..... max. 0,00001 % manganese (Mn) ..... max. 0,000001 % nickel (Ni) ..... max. 0,000002 % zinc (Zn) ..... max. 0,000005 % tin (Sn) ..... max. 0,00001 % chloride (Cl) ..... max. 0,00005 % sulphate (SO_4) ..... max. 0,00005 % matters reducing $KMnO_4$ (as O) ..... max. 0,00025 % reaction to sulphuric acid ..... passes test acetone ..... max. 0,001 % ethanol ..... max. 0,1 % R: 11-23/25 S: 2-7-16-24 disposal: 5	FL. FL. *2904*	1 L 2,5 L	22,— 45,75	18,70 37,95	17,60 35,70	16 34

refer explanations

Number ADR E/GGVS G-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	Methanol for scintillation *Méthanol / Metanol* CH_3OH CH_4O $M = 32{,}04$ g/mol **1 L ≈ 0,79 kg** R: 11-23/25 S: 2-7-16-24 disposal: 5	FL. *2904*	1 L	18,50	15,75	14,80	14,25
	Methanol SPECTRANAL® *Méthanol / Metanol* CH_3OH CH_4O $M = 32{,}04$ g/mol **1 L ≈ 0,79 kg** assay (GC) ..... min. 99,8% non-volatile matter ..... max. 0,0005% water (acc. to Karl Fischer) ..... max. 0,03% free acid (as HCOOH) ..... max. 0,001% suitability for UV spectroscopy transmittance (1 cm cell/reference: water) transmittance/wavelength (nm): min. 20%/210, min. 55%/220, min. 75%/230, min. 90%/240, min. 95%/250, min. 98%/from 260 suitability for IR spectroscopy ..... passes test  R: 11-23/25 S: 2-7-16-24 disposal: 5	FL. FL. *2904*	1 L 2,5 L	31,— 66,—	26,35 54,80	24,80 51,50	23,85 49,50
	Methanol CHROMASOLV® for chromatography (UV-detection) *Méthanol / Metanol* CH_3OH CH_4O $M = 32{,}04$ g/mol **1 L ≈ 0,79 kg** assay (GC) ..... min. 99,8% non-volatile matter ..... max. 0,0005% water (according to Karl Fischer) ..... max. 0,03% free acid (as HCOOH) ..... max. 0,001% transmittance (1 cm cell; reference water) transmittance/wavelength (nm): min. 20%/210, min. 50%/222, min. 80%/235, min. 98%/from 260 R: 11-23/25 S: 2-7-16-24 disposal: 5	FL. *2904*	1 L	16,75	14,25	13,40	12,90
	Methanol PESTANAL® *Méthanol / Metanol* CH_3OH CH_4O $M = 32{,}04$ g/mol **1 L ≈ 0,79 kg** assay (GC) ..... min. 99,8% non-volatile matter ..... max. 0,0005% water (according to Karl Fischer) ..... max. 0,1% suitability for residue analysis: Traceable accompanying substances (GC/ECD) (column 0,5 m, glass capillary ∅ 3 mm Silicon TLC 200 on Chromosorb® 100/200) show in the retention volum zones between Pentachlorobenzene, α-HCH, Aldrin and DDT a peak of $< 5 \cdot 10^{-10}$% ≙ 5 ng/l. R: 11-23/25 S: 2-7-16-24 disposal: 5	FL. FL. *2904*	1 L 2,5 L	15,50 32,50	13,20 27,—	12,40 25,35	11,95 24,40

Riedel-de Haën AG

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)	Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	
17929 A 3/5 C 3.2 1230 2 +11 °C	FL. *2904*	2,5 L	price on request			

Methanol MOS PURANAL® particle class 0

Méthanol / Metanol

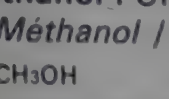
CH_3OH

CH_4O $M = 32{,}04$ g/mol — **1 L ≈ 0,79 kg**

assay (GC)	min. 99,9%
boiling range	64–65 °C
density (D_4^{20})	0,790–0,792
refractive index (n_D^{20})	1,3280–1,3300
non-volatile matter	max. 5 ppm
water (according to Karl Fischer)	max. 500 ppm
free acid (as HCOOH)	max. 20 ppm
free alkali (as NH_3)	max. 0,5 ppm
aluminium (Al)	max. 0,05 ppm
antimony (Sb)	max. 0,01 ppm
arsenic (As)	max. 0,01 ppm
barium (Ba)	max. 0,1 ppm
beryllium (Be)	max. 0,01 ppm
lead (Pb)	max. 0,02 ppm
boron (B)	max. 0,02 ppm
cadmium (Cd)	max. 0,01 ppm
calcium (Ca)	max. 0,2 ppm
chromium (Cr)	max. 0,01 ppm
iron (Fe)	max. 0,1 ppm
gallium (Ga)	max. 0,02 ppm
gold (Au)	max. 0,02 ppm
indium (In)	max. 0,02 ppm
potassium (K)	max. 0,1 ppm
cobalt (Co)	max. 0,01 ppm
copper (Cu)	max. 0,01 ppm
lithium (Li)	max. 0,02 ppm
magnesium (Mg)	max. 0,1 ppm
manganese (Mn)	max. 0,01 ppm
molybdenum (Mo)	max. 0,01 ppm
sodium (Na)	max. 0,2 ppm
nickel (Ni)	max. 0,01 ppm
platinum (Pt)	max. 0,02 ppm
silver (Ag)	max. 0,02 ppm
strontium (Sr)	max. 0,02 ppm
thallium (Tl)	max. 0,02 ppm
titanium (Ti)	max. 0,01 ppm
vanadium (V)	max. 0,01 ppm
bismuth (Bi)	max. 0,02 ppm
zinc (Zn)	max. 0,05 ppm
tin (Sn)	max. 0,02 ppm
zirconium (Zr)	max. 0,01 ppm
chloride (Cl)	max. 0,5 ppm
sulphate (SO_4)	max. 1 ppm
matters reducing $KMnO_4$ (as O)	max. 2,5 ppm
aldehydes and ketones (as HCHO)	max. 10 ppm

R: 11-23/25 S: 2-7-16-24
disposal: 5

refer explanations

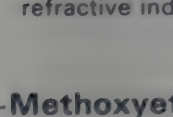
lumber OR GGVS CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	Methanol PURANAL®						
	Méthanol / Metanol	FL.	2,5 L	price on request			
30 2	CH_3OH	STP.	45 kg	price on request			
	CH_4O $M = 32,04$ g/mol 1 L ≈ 0,79 kg	*2904*					
	assay (GC) ..... min. 99,9%						
	boiling range ..... 64—65 °C						
	density (D_4^{20}) ..... max. 0,790—0,792						
	refractive index (n_D^{20}) ..... max. 1,3280—1,3300						
	non-volatile matter ..... max. 5 ppm						
	water (according to Karl Fischer) ..... max. 500 ppm						
	free acid (as HCOOH) ..... max. 20 ppm						
	free alkali (as NH_3) ..... max. 0,5 ppm						
	aluminium (Al) ..... max. 0,05 ppm						
	antimony (Sb) ..... max. 0,01 ppm						
	arsenic (As) ..... max. 0,01 ppm						
	barium (Ba) ..... max. 0,1 ppm						
	beryllium (Be) ..... max. 0,01 ppm						
	lead (Pb) ..... max. 0,02 ppm						
	Boron (B) ..... max. 0,02 ppm						
	cadmium (Cd) ..... max. 0,01 ppm						
	calcium (Ca) ..... max. 0,02 ppm						
	chromium (Cr) ..... max. 0,01 ppm						
	iron (Fe) ..... max. 0,1 ppm						
	gallium (Ga) ..... max. 0,02 ppm						
	gold (Au) ..... max. 0,02 ppm						
	indium (In) ..... max. 0,02 ppm						
	potassium (K) ..... max. 0,1 ppm						
	cobalt (Co) ..... max. 0,01 ppm						
	copper (Cu) ..... max. 0,01 ppm						
	lithium (Li) ..... max. 0,02 ppm						
	magnesium (Mg) ..... max. 0,1 ppm						
	manganese (Mn) ..... max. 0,01 ppm						
	molybdenum (Mo) ..... max. 0,01 ppm						
	sodium (Na) ..... max. 0,2 ppm						
	nickel (Ni) ..... max. 0,01 ppm						
	platinum (Pt) ..... max. 0,02 ppm						
	silver (Ag) ..... max. 0,02 ppm						
	strontium (Sr) ..... max. 0,02 ppm						
	thallium (Tl) ..... max. 0,02 ppm						
	titanium (Ti) ..... max. 0,01 ppm						
	vanadium (V) ..... max. 0,01 ppm						
	bismuth (Bi) ..... max. 0,02 ppm						
	zinc (Zn) ..... max. 0,05 ppm						
	tin (Sn) ..... max. 0,02 ppm						
	zirconium (Zr) ..... max. 0,01 ppm						
	chloride (Cl) ..... max. 0,5 ppm						
	sulphate (SO_4) ..... max. 1 ppm						
	matters reducing $KMnO_4$ (as O) ..... max. 2,5 ppm						
	aldehydes and ketone (as HCHO) ..... max. 10 ppm						
	 R: 11-23/25 S: 2-7-16-24 disposal: 5						
9	**Methanol** chem. pure, free from acetone	FL.	1 L	14,—	11,90	10,90	10,35
	Méthanol / Metanol	FL.	2,5 L	23,75	19,70	18,55	17,80
230 2	CH_3OH	EKL.	20 kg	kg	3,50		
C	CH_4O $M = 32,04$ g/mol 1 L ≈ 0,79 kg	EKL.	5x	kg	3,20		
	assay (GC) 99,5%	EKL.	10x	kg	3,—		
	boiling range ..... 64—65 °C	EKL.	20x	kg	2,80		
	density (D_4^{20}) ..... 0,790—0,792	F.	160 kg	kg	2,60		
	refractive index (n_D^{20}) ..... 1,3280—1,3300	*2904*					
	non-volatile matter 0,002%						
	water (according to Karl Fischer) 0,1%						
	heavy metals (as Pb) 0,0005%						
	chloride (Cl) 0,0001%						
	sulphate (SO_4) 0,0005%						
	acetone 0,001%						
	R: 11-23/25 S: 2-7-16-24 disposal: 5						

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	
24228 A 3/5 C 3.2 1230 2 +11 °C	**Methanol** pure Erg. B. 6 *Méthanol / Metanol* CH_3OH CH_4O $M = 32{,}04$ g/mol **1 L ≈ 0,79 kg** assay (GC) ..... 99,5% boiling range ..... 64—65 °C density (D_4^{20}) ..... 0,790—0,792 refractive index (n_D^{20}) ..... 1,3280—1,3300 non-volatile matter ..... 0,005% water (according to Karl Fischer) ..... 0,2% R: 11-23/25 S: 2-7-16-24 disposal: 5	FL. FL. EKL. EKL. EKL. EKL. F. *2904*	1 L 2,5 L 20 kg 5x 10x 20x 160 kg	13,— 22,75 kg kg kg kg	11,05 18,90 2,80 2,55 2,40 2,25 2,05	10,15 17,75	
09004 A 3/5 C 3.2 1230 2 +11 °C	**Methanol-d_1** deuteration degree not less than 99,5 atom % D *Méthanol-d_1 / Metanol-d_1* CH_3OD CH_3DO $M = 33{,}03$ g/mol **1 L ≈ 0,81 kg** R: 11-23/25 S: 2-7-16-24 disposal: 5	A. *2851*	10 ml	17,—	14,45	13,60	
09057 A 3/5 C 3.2 1230 2 +11 °C	**Methanol-d_3** deuteration degree not less than 99 atom % D *Méthanol-d_3 / Metanol-d_3* CD_3OH CHD_3O $M = 35{,}02$ g/mol **1 L ≈ 0,79 kg** R: 11-23/25 S: 2-7-16-24 disposal: 5	A. *2851*	5 ml	33,25	28,25	26,60	
09002 A 3/5 C 3.2 1230 2 +11 °C	**Methanol-d_4** deuteration degree not less than 99 atom % D *Méthanol-d_4 / Metanol-d_4* CD_3OD CD_4O $M = 36{,}01$ g/mol **1 L ≈ 0,89 kg** R: 11-23/25 S: 2-7-16-24 disposal: 5	FL. FL. *2851*	10 ml 100 ml	69,— 623,—	58,65 529,55	55,20 498,40	5 46
	Methanolic iodine solution see Fischer, reagent						
	Methenamine see Hexamethylenetetramine						
35855 A 6.1/81A C 6.1 1615 2	**Methidiathion** min. 99% PESTANAL® [O,O-Dimethyl-S-(2-methoxy-1,3,4-thiadiazole-5-[4H]-onyl-[4]-- methyl]-phosphorodithioate $COSC(OCH_3)=NNCH_2SP(OCH_3)_2S$ $C_6H_{11}N_2O_4PS_3$ $M = 302{,}33$ g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 26/27/28 S: 1-13-45 disposal: 7	FL. *2935*	1 g	28,25	24,—	22,60	2
39025	**D(–)-Methionine** BIOSYNTH® *D(–)-Méthionine / D(–)-Metionina* $CH_3SCH_2CH_2CH(NH_2)COOH$ $C_5H_{11}NO_2S$ $M = 149{,}21$ g/mol assay (ex N) ..... 99% specific rotation ($[\alpha]_D^{20}$; c = 5 in HCl 3 mol/l) $-23{,}5° \pm 1°$	WG. *2931*	5 g	31,50	26,80	25,20	2
39182	**DL-Methionine** BIOSYNTH® *DL-Méthionine / DL-Metionina* $CH_3SCH_2CH_2CH(NH_2)COOH$ $C_5H_{11}NO_2S$ $M = 149{,}21$ g/mol assay (ex N) 99%	PF. *2931*	250 g	23,—	19,55	18,40	1

Number ADR E/GGVS S-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	L(+)-Methionine BIOSYNTH® *L(+)-Méthionine / L(+)-Metionina* $CH_3SCH_2CH_2CH(NH_2)COOH$ $C_5H_{11}NO_2S$ $M = 149{,}21$ g/mol assay (ex N) ..... 99% specific rotation ($[\alpha]_D^{20}$; c = 5 in HCl 3 mol/l) . +23° ± 1°	PF. *2931*	50 g	26,25	22,30	21,–	19,70
	L-Methionine sulphone PROSYNTH® *L-Méthionine sulfone / L-Metionina sulfona* $CH_3SO_2CH_2CH_2CH(NH_2)COOH$ $C_5H_{11}NO_4S$ $M = 181{,}21$ g/mol spec. rotation ($[\alpha]_D^{20}$; c = 1 in 1N HCl) ..... +29,7° ± 2°	WG. *2931*	10 g	57,–	48,45	45,60	42,75
	DL-Methionine sulphoxide PROSYNTH® *DL-Méthionine sulfoxyde / DL-Metionina sulfóxido* $CH_3SOCH_2CH_2CH(NH_2)COOH$ $C_5H_{11}NO_3S$ $M = 165{,}21$ g/mol assay (ex N) ..... 99% melting range ..... 237–239 °C	WG. *2931*	5 g	29,25	24,85	23,40	21,95
	L-Methionine sulphoxide PROSYNTH® *L-Méthionine sulfoxyde / L-Metionina sulfóxido* $CH_3SOCH_2CH_2CH(NH_2)COOH$ $C_5H_{11}NO_3S$ $M = 165{,}21$ g/mol assay (ex N) ..... 99% melting range ..... 245–246 °C (disint.) spec. rotation ($[\alpha]_D^{20}$; c = 1 in H_2O) ..... +16,4° ± 1°	WG. *2931*	5 g	34,50	29,35	27,60	25,90
	Methon see Dimedone						
	Methoprotryne min. 99% PESTANAL® [2-(3'-Methoxypropylamino]-4-*iso*-propylamino--6-methylthio-1,3,5-triazine] $N=C[NHCH(CH_3)_2]N=C(SCH_3)N=CNH(CH_2)_3OCH_3$ $C_{11}H_{21}N_5OS$ $M = 271{,}39$ g/mol	FL. *2935*	1 g	56,50	48,05	45,20	42,40
	Methoxuron min. 99% PESTANAL® [1,1-Dimethyl-3-(-chloro-4-methoxyphenyl)-urea] $(CH_3O)ClC_6H_3NHCON(CH_3)_2$ $C_{10}H_{13}ClN_2O_2$ $M = 228{,}68$ g/mol	FL. *2925*	1 g	28,25	24,–	22,60	21,20
	Methoxyacetic acid PROSYNTH® *Acide méthoxyacétique / Acido metoxiacético* CH_3OCH_2COOH $C_3H_6O_3$ $M = 90{,}08$ g/mol **1 L ≈ 1,18 kg** assay (GC) ..... 98% boiling range ..... 201–203 °C refractive index (n_D^{20}) 1,417	FL. *2916*	25 ml	53,50	45,50	42,80	40,15
	2-Methoxyacetophenone PROSYNTH® *2-Méthoxyacétophénone / 2-Metoxiacetofenona* $CH_3OC_6H_4COCH_3$ $C_9H_{10}O_2$ $M = 150{,}18$ g/mol **1 L ≈ 1,09 kg** assay (GC) ..... 99% boiling range ..... 245–247 °C refractive index (n_D^{20}) 1,539	FL. *2908*	5 ml	19,50	16,60	15,60	14,65
	3-Methoxyacetophenone PROSYNTH® *3-Méthoxyacétophénone / 3-Metoxiacetofenona* $CH_3OC_6H_4COCH_3$ $C_9H_{10}O_2$ $M = 150{,}18$ g/mol **1 L ≈ 1,09 kg** assay (GC) ..... 99% boiling range (at 32 mbar) ..... 137–139 °C refractive index (n_D^{20}) 1,541	FL. *2913*	5 ml	22,–	18,70	17,60	16,50

POLYPEHA® universal and special indicator papers in strips

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	9 (16 B
62758	**4-Methoxyacetophenone** PROSYNTH® *4-Méthoxyacétophénone / 4-Metoxiacetofenona* $CH_3OC_6H_4COCH_3$ $C_9H_{10}O_2$ $M = 150{,}18$ g/mol assay (GC) ..... 99% melting range ..... 36–38 °C	WG. *2913*	250 g	30,25	25,70	24,20	22
	Methoxyacetylbenzene see Methoxyacetophenone						
	2-Methoxyaniline see 2-Anisidine						
	3-Methoxyaniline see 3-Anisidine						
	4-Methoxyaniline see 4-Anisidine						
	Methoxybenzaldehyde see Anisaldehyde						
	Methoxybenzene see Anisole						
62761	**2-Methoxybenzoic acid** PROSYNTH® *Acide 2-méthoxybenzoïque / Acido 2-metoxibenzóico* $CH_3OC_6H_4COOH$ $C_8H_8O_3$ $M = 152{,}15$ g/mol assay (alkalimetric) ..... 99% melting range ..... 99–101 °C	PF. *2916*	100 g	27,25	23,15	21,80	20
63610	**3-Methoxybenzoic acid** PROSYNTH® *Acide 3-méthoxybenzoïque / Acido 3-metoxibenzóico* $CH_3OC_6H_4COOH$ $C_8H_8O_3$ $M = 152{,}15$ g/mol assay (alkalimetric) ..... 99% melting range ..... 103–105 °C	WG. *2916*	100 g	81,–	68,85	64,80	60
60210	**4-Methoxybenzoic acid** PROSYNTH® (p-anisic acid) *Acide 4-méthoxybenzoïque / Acido 4-metoxibenzóico* $C_6H_4(OCH_3)(COOH)$ $C_8H_8O_3$ $M = 152{,}15$ g/mol assay (alkalimetric) ..... 97% melting range ..... 180–182 °C	PF. PF. *2916*	500 g 2,5 kg	60,– 239,–	51,– 198,35	48,– 186,40	46 179
64276 A 6.1/21 A C 6.1 2811 2	**4-Methoxybenzonitrile** PROSYNTH® *Méthoxy-4-benzonitrile / 4-Metoxibenzonitrilo* $CH_3OC_6H_4CN$ C_8H_7NO $M = 133{,}15$ g/mol assay (GC) ..... 99% melting range ..... 58–61 °C	WG. *2927*	25 g	90,50	76,95	72,40	67
63872 A 8/22 C 8 1729 2	**3-Methoxybenzoyl chloride** PROSYNTH® *3-Méthoxybenzoyle chlorure / 3-Metoxibenzoilo cloruro* $CH_3OC_6H_4COCl$ $C_8H_7ClO_2$ $M = 170{,}60$ g/mol **1 L ≈ 1,26 kg** assay (ex Cl) ..... 99% boiling range (at 13 mbar) ..... 112–115 °C	FL. *2916*	25 ml	56,–	47,60	44,80	42
60312 A 8/22 C 8 1729 2	**4-Methoxybenzoyl chloride** PROSYNTH® *4-Méthoxybenzoyle chlorure / 4-Metoxibenzoilo cloruro* $CH_3OC_6H_4COCl$ $C_8H_7ClO_2$ $M = 170{,}60$ g/mol **1 L ≈ 1,26 kg** assay (ex Cl) ..... 99% boiling range (at 16 mbar) ..... 129–131 °C refractive index (n_D^{20}) 1,522	FL. *2916*	100 ml	54,50	46,35	43,60	41
62764	**2-Methoxybenzyl alcohol** PROSYNTH® *Alcool 2-méthoxybenzylique / Alcohol 2-metoxibencílico* $CH_3OC_6H_4CH_2OH$ $C_8H_{10}O_2$ $M = 138{,}17$ g/mol **1 L ≈ 1,12 kg** assay (GC) ..... 98% boiling range ..... 246–248 °C refractive index (n_D^{20}) 1,548	FL. *2908*	25 ml	57,–	48,45	45,60	43

number OR GGVS CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	3-Methoxybenzyl alcohol PROSYNTH® *Alcool 3-méthoxybenzylique / Alcohol 3-metoxibencílico* $CH_3OC_6H_4CH_2OH$ $C_8H_{10}O_2$ $M = 138{,}17$ g/mol 1 L ≈ 1,11 kg assay (GC) ..... 98% boiling range (at 16 mbar) ..... 123–125 °C refractive index (n_D^{20}) 1,542	FL. *2908*	25 ml	57,–	48,45	45,60	42,75
	4-Methoxybenzyl alcohol see Anise alcohol						
92 2	**1-Methoxybutene(1)-in-(3) solution** 50% in methanol PROSYNTH® *1-Méthoxybutène-(1)-in-(3) en solution / 1-Metoxibuteno-(1)-in-(3) en solución* $HC \equiv CCH = CHOCH_3$ C_5H_6O $M = 82{,}10$ g/mol 1 L ≈ 0,87 kg  R: 11-23/25 S: 2-7-16-24 disposal: 18	FL. *2908*	250 ml	18,–	15,30	14,40	13,50
	Methoxychloro min. 99% PESTANAL® [1,1,1-Trichloro-2,2-bis-(4-methoxyphenyl)-ethane] $CH_3OC_6H_4CH(CCl_3)C_6H_4OCH_3$ $C_{16}H_{15}Cl_3O_2$ $M = 345{,}65$ g/mol	FL. *2902*	1 g	19,50	16,60	15,60	14,65
	***trans*-2-Methoxycinnamic acid** PROSYNTH® *Acide trans-2-méthoxycinnamique / Acido trans-2-metoxicinámico* $CH_3OC_6H_4CH = CHCOOH$ $C_{10}H_{10}O_3$ $M = 178{,}19$ g/mol assay (alkalimetric) ..... 98% melting range ..... 183–185 °C	WG. *2916*	10 g	43,75	37,20	35,–	32,80
	***trans*-3-Methoxycinnamic acid** PROSYNTH® *Acide trans-3-méthoxycinnamique / Acido trans-3-metoxicinámico* $CH_3OC_6H_4CH = CHCOOH$ $C_{10}H_{10}O_3$ $M = 178{,}19$ g/mol assay (alkalimetric) ..... 99% melting range ..... 118–120 °C	WG. *2916*	5 g	33,25	28,25	26,60	24,95
	***trans*-4-Methoxycinnamic acid** PROSYNTH® *Acide trans-4-méthoxycinnamique / Acido trans-4-metoxicinámico* $CH_3OC_6H_4CH = CHCOOH$ $C_{10}H_{10}O_3$ $M = 178{,}19$ g/mol assay (alkalimetric) 99%	WG. *2916*	10 g	30,75	26,15	24,60	23,05
993 2	**2-Methoxy-1,4-dioxan** PROSYNTH® *Méthoxy-2-dioxanne-1-4 / 2-Metoxi-1,4-dioxano* $\underline{OCH(OCH_3)CH_2OCH_2CH_2}$ $C_5H_{10}O_3$ $M = 118{,}13$ g/mol 1 L ≈ 1,08 kg assay (GC) ..... 99% boiling range ..... 144–146 °C refractive index (n_D^{20}) ..... 1,425 R: 10 disposal: 6	FL. *2908*	100 g	165,–	140,25	132,–	123,75
	2-Methoxyethanol see Ethylene glycol monomethyl ether						
993 2	**2-Methoxyethylamine** PROSYNTH® *2-Méthoxyéthylamine / 2-Metoxietilamina* $CH_3OCH_2CH_2NH_2$ C_3H_9NO $M = 75{,}11$ g/mol 1 L ≈ 0,87 kg assay (GC) ..... 98% boiling range ..... 90–92 °C refractive index (n_D^{20}) ..... 1,406 R: 11-36/37/38 S: 16-26-29 disposal: 19	FL. *2923*	250 ml	19,50	16,60	15,60	14,65

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)
64373	**5-Methoxyindole** PROSYNTH® *5-Méthoxyindole / 5-Metoxiindol* $CH_3OC_6H_3NHCH=CH$ C_9H_9NO M = 147,18 g/mol assay (ex N) ..... 99 % melting range ..... 54 – 56 °C	WG. *2935*	5 g	125,50	106,70	100,40
64682	**1-Methoxynaphthalene** PROSYNTH® *Méthoxy-1-naphtalène / 1-Metoxinaftaleno* $CH_3OC_{10}H_7$ $C_{11}H_{10}O$ M = 158,20 g/mol 1 L ≈ 1,10 kg assay (GC) ..... 97 % boiling range (at 13 mbar) ..... 133 – 135 °C refractive index (n_D^{20}) 1,621	FL. *2908*	100 ml	87,50	74,40	70,–
60211	**2-Methoxynaphthalene** PROSYNTH® *2-Méthoxynaphtalène / 2-Metoxinaftaleno* $C_6H_4CH=C(OCH_3)CH=CH$ $C_{11}H_{10}O$ M = 158,20 g/mol assay (GC) ..... 98 % melting range ..... 71 – 74 °C	PF. *2908*	500 g	36,–	30,60	28,80
63612	**4-Methoxy-3-nitroacetophenone** PROSYNTH® *4-Méthoxy-3-nitroacétophénone / 4-Metoxi-3-nitroacetofenona* $CH_3OC_6H_3(NO_2)COCH_3$ $C_9H_9NO_4$ M = 195,17 g/mol assay (ex N) ..... 98 % melting range ..... 96 – 97 °C	WG. *2913*	10 g	30,75	26,15	24,60
64950 A 6.1/21F C 6.1 2811 2	**2-Methoxy-4-nitroaniline** PROSYNTH® *Méthoxy-2-nitro-4-aniline / 2-Metoxi-4-nitroanilina* $CH_3OC_6H_4(NO_2)NH_2$ $C_7H_8N_2O_3$ M = 168,15 g/mol assay (ex N) ..... 99 % melting range ..... 138 – 140 °C R: 26/27/28-33 S: 28-36/37-45 disposal: 20	WG. *2923*	250 g	32,50	27,65	26,–
62767 A 6.1/21F C 6.1 2811 2	**4-Methoxy-2-nitroaniline** PROSYNTH® *4-Méthoxy-2-nitroaniline / 4-Metoxi-2-nitroanilina* $NO_2C_6H_3(NH_2)OCH_3$ $C_7H_8N_2O_3$ M = 168,15 g/mol assay (ex N) ..... 99 % melting range ..... 124 – 126 °C R: 26/27/28-33 S: 28-36/37-45 disposal: 20	PF. *2923*	100 g	18,–	15,30	14,40
	Methoxy-α-oxotoluene see Anisaldehyde					
	2-Methoxyphenol see Guaiacol					
	3-Methoxyphenol see Resorcinol monomethyl ether					
	4-Methoxyphenol see Hydroquinone monomethyl ether					
	3-(o-Methoxyphenoxy)-propanediol-(1,2) see Guaiacolglycerol ether					
65000	**2-Methoxyphenylacetic acid** PROSYNTH® *Acide 2-méthoxyphénylacétique / Acido 2-metoxyfenilacético* $CH_3OC_6H_4CH_2COOH$ $C_9H_{10}O_3$ M = 166,18 g/mol assay (alkalimetric) ..... 99 %	WG. *2916*	10 g	39,25	33,35	31,40

ber (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
3-Methoxyphenylacetic acid PROSYNTH® *Acide 3-méthoxyphénylacétique / Acido 3-metoxifenilacético* $CH_3OC_6H_4CH_2COOH$ $C_9H_{10}O_3$ M = 166,18 g/mol assay (alkalimetric) ..... 99% melting range ..... 64 – 66 °C		WG. *2916*	10 g	36,75	31,25	29,40	27,55
4-Methoxyphenylacetic acid PROSYNTH® *Acide 4-méthoxyphénylacétique / Acido 4-metoxifenilacético* $CH_3OC_6H_4CH_2COOH$ $C_9H_{10}O_3$ M = 166,18 g/mol assay (alkalimetric) ..... 99% melting range ..... 85 – 87 °C		WG. *2916*	100 g	30,—	25,50	24,—	22,50
4-Methoxy-m-phenylenediamine PROSYNTH® *4-Méthoxy-m-phénylènediamine / 4-Metoxi-m-fenilendiamina* $(NH_2)_2C_6H_3OCH_3$ $C_7H_{10}N_2O$ M = 138,17 g/mol assay (ex N) ..... 95% melting range ..... 59 – 62 °C		WG. *2923*	100 g	14,25	12,10	11,40	10,70
4-Methoxy-o-phenylenediammonium chloride PROSYNTH® *Méthoxy-4-phénylène-o-diammonium chlorure / 4-Metoxi-o-fenilendiamonio cloruro* $(NH_2)_2C_6H_3OCH_3 \cdot 2HCl$ $C_7H_{12}Cl_2N_2O$ M = 211,09 g/mol melting range (free base) ..... 50 – 51 °C		PF. *2923*	50 g	price on request			
3-Methoxypropionitrile PROSYNTH® *3-Méthoxypropionitrile / 3-Metoxipropionitrilo* $CH_3OCH_2CH_2CN$ C_4H_7NO M = 85,11 g/mol **1 L ≈ 0,94 kg** assay (GC) ..... 99% boiling range ..... 164 – 166 °C refractive index (n_D^{20}) ..... 1,404 R: 23/24/25 S: 44 disposal: 15		FL. *2927*	1 L	40,25	34,20	32,20	31,—
4-Methoxy-1-propionylbenzene see / 4-Methoxypropiophenone							
4-Methoxypropiophenone PROSYNTH® *4-Méthoxypropiophénone / 4-Metoxipropiofenona* $CH_3OC_6H_4COCH_2CH_3$ $C_{10}H_{12}O_2$ M = 164,20 g/mol **1 L ≈ 1,06 kg** assay (GC) ..... 98% melting range ..... 23 – 26 °C		FL. *2913*	100 g	43,75	37,20	35,—	32,80
3-Methoxypropylamine *3-Méthoxypropylamine / 3-Metoxipropilamina* $CH_3O(CH_2)_3NH_2$ $C_4H_{11}NO$ M = 89,14 g/mol **1 L ≈ 0,87 kg** assay ..... 99% boiling range ..... 117 – 119 °C density (D_4^{20}) ..... 0,871 – 0,873 R: 36/37/38 S: 26 disposal: 19		FL. FL. STP. *2923*	1 L 2,5 L 45 kg	27,75 59,— price on request	23,60 48,95	22,20 46,—	21,35 44,25
2-Methoxypyridine PROSYNTH® *2-Méthoxypyridine / 2-Metoxipiridina* $N=C(OCH_3)CH=CHCH=CH$ C_6H_7NO M = 109,13 g/mol **1 L ≈ 1,05 kg** assay (GC) ..... 97% boiling range ..... 140 – 142 refractive index (n_D^{20}) 1,503		FL. *2935*	50 ml	44,25	37,60	35,40	33,20

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65182 A 3/5	**2-Methoxytetrahydrofuran** PROSYNTH® *Méthoxy-2-tétrahydrofurane / 2-Metoxitetrahidrofurano* $OCH(OCH_3)CH_2CH_2CH_2$ $C_5H_{10}O_2$ $M = 102{,}13$ g/mol **1 L ≈ 0,97 kg** assay ..... 99% boiling range ..... 102–104 °C refractive index (n_D^{20}) ..... 1,410 R: 11 S: 9-16-33 disposal: 6	FL. *2935*	100 ml	165,–	140,25	132,–	123,–
62772	**6-Methoxy-1,2,3,4-tetrahydronaphthalinone-(1)** PROSYNTH® *6-Méthoxy-1-2-3-4-tétrahydronaphtalénone-(1) / 6-Metoxi-1,2,3,4-tetrahidronaftalenona* $CH_3OC_6H_3(CH_2)_3CO$ $C_{11}H_{12}O_2$ $M = 176{,}21$ g/mol melting range ..... 77–80 °C	WG. *2913*	10 g	29,50	25,10	23,60	22,–
60387	**N-Methylacetamide** PROSYNTH® *N-Méthylacétamide / N-Metilacetamida* $CH_3CONHCH_3$ C_3H_7NO $M = 73{,}09$ g/mol assay (GC) ..... 98% melting range ..... 27–30 °C	FL. *2925*	500 ml	36,–	30,60	28,80	27,–
64091	**N-Methylacetanilide** PROSYNTH® *N-Méthylacétanilide / N-Metilacetanilida* $CH_3CON(CH_3)C_6H_5$ $C_9H_{11}NO$ $M = 149{,}19$ g/mol assay (ex N) ..... 98% melting range ..... 99–101 °C	WG. *2922*	250 g	36,25	30,80	29,–	27,–
33215 A 3/1A C 3.2 1231 2 -13 °C	**Methyl acetate** R. G. *Méthyle acétate / Metilo acetato* CH_3COOCH_3 $C_3H_6O_2$ $M = 74{,}08$ g/mol **1 L ≈ 0,93 kg** assay (GC) ..... min. 99% boiling range ..... 55–57 °C density (D_4^{20}) ..... 0,931–0,932 refractive index (n_D^{20}) ..... 1,3600–1,3620 non-volatile matter ..... max. 0,001% water (according to Karl Fischer) ..... max. 0,1% free acid (as CH_3COOH) ..... max. 0,005% R: 11 S: 16-23-29-33 disposal: 6	FL. FL. *2914*	500 ml 2,5 L	13,75 53,–	11,70 44,–	11,– 41,35	10,60 39,75
27237 A 3/1A C 3.2 1231 2 -13 °C	**Methyl acetate** pure *Méthyle acétate / Metilo acetato* CH_3COOCH_3 $C_3H_6O_2$ $M = 74{,}08$ g/mol **1 L ≈ 0,93 kg** assay (GC) ..... 99% boiling range ..... 55–57 °C density (D_4^{20}) ..... 0,931–0,932 refractive index (n_D^{20}) ..... 1,3600-1,3620 non-volatile matter ..... 0,001% water (according to Karl Fischer) ..... 0,1% R: 11 S: 16-23-29-33 disposal: 6	FL. FL. EKL. EKL. F. *2914*	1 L 2,5 L 25 kg 5x 180 kg	15,50 32,25 kg kg price on request	13,20 26,75 5,20 4,90	12,40 25,15	11,95 24,20
64206 A 3/4 +67 °C	**Methyl acetoacetate** PROSYNTH® *Méthyle acétoacétate / Metilo acetoacetato* $CH_3COCH_2COOCH_3$ $C_5H_8O_3$ $M = 116{,}12$ g/mol **1 L ≈ 1,08 kg** assay (GC) ..... 99% boiling range ..... 168–170 °C refractive index (n_D^{20}) 1,419	FL. *2916*	1 L	34,50	29,35	27,60	26,55

Number OR GGVS CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	4-Methylacetophenone PROSYNTH® *4-Méthylacétophénone / 4-Metilacetofenona* $CH_3C_6H_4COCH_3$ $C_9H_{10}O$ $M = 134,18$ g/mol **1 L ≈ 1,01 kg** assay (GC) ..... 97% boiling range ..... 224–226 °C refractive index (n_D^{20}) 1,533	FL. *2913*	**250 ml**	22,75	19,35	18,20	17,05
	1-Methyl-4-acetylbenzene see 4-Methylacetophenone						
	Methylacetylcarbinol see 3-Hydroxybutanone-(2)						
919 2	**Methyl acrylate** PROSYNTH® stabilized with hydroquinone monomethyl ether (1 g/l) *Méthyle acrylate / Metilo acrilato* $CH_2=CHCOOCH_3$ $C_4H_6O_2$ $M = 86,09$ g/mol **1 L ≈ 0,95 kg** assay (GC) ..... 99% boiling range ..... 78–80 °C refractive index (n_D^{20}) 1,403	FL. *2914*	**1 L**	28,—	23,80	22,40	21,55
	Methyl-L-alaninate hydrochloride BIOSYNTH® *Méthyle-L-alaninate chlorhydrate / Metilo-L-alaninato clorhidrato* $CH_3CH(NH_2)COOCH_3$ $C_4H_{10}ClNO_2$ $M = 139,58$ g/mol	WG. *2923*	**5 g**	43,75	37,20	35,—	32,80
7	**2-Methylalanine** PROSYNTH® *2-Méthylalanine / 2-Metilalanina* $(CH_3)_2C(NH_2)COOH$ $C_4H_9NO_2$ $M = 103,12$ g/mol assay (ex N) 99%	PF. *2923*	**50 g**	53,—	45,05	42,40	39,75
	Methyl alcohol see Methanol						
9	**Methylamine solution** 40% *Méthylamine en solution / Metilamina en solución* 235 2 CH_3NH_2 CH_5N $M = 31,06$ g/mol **1 L ≈ 0,90 kg** R: 13-36/37 S: 16-26-29 disposal: 19	FL. EKL. *2922*	**1 L** **25 kg**	12,50 price on request	10,65	10,—	9,65
	Methyl aminoacetate hydrochloride see Methyl glycinate hydrochloride						
8	**1-Methylaminoanthraquinone** PROSYNTH® *1 Méthylaminoanthraquinone / 1-Metilaminoantraquinona* $CH_3NHC_6H_3COC_6H_4CO$ $C_{15}H_{11}NO_2$ $M = 237,26$ g/mol assay (HPLC) ..... 95% melting range ..... 167–170 °C	WG. *2913*	**100 g**	30,75	26,15	24,60	23,05
8	**Methyl 2-aminobenzoate** PROSYNTH® *Méthyle 2-aminobenzoate / Metilo 2-aminobenzoato* $H_2NC_6H_4COOCH_3$ $C_8H_9NO_2$ $M = 151,16$ g/mol **1 L ≈ 1,17 kg** assay (GC) ..... 98% boiling range (at 19 mbar) ..... 131–133 °C refractive index (n_D^{20}) 1,582	FL. *2923*	**250 ml**	32,75	27,85	26,20	24,55
0	**Methyl 4-aminobenzoate** PROSYNTH® *Méthyle 4-aminobenzoate / Metilo 4-aminobenzoato* $H_2NC_6H_4COOCH_3$ $C_8H_9NO_2$ $M = 151,16$ g/mol assay (HPLC) ..... 99% melting range ..... 111–113 °C	WG. *2923*	**10 g**	21,75	18,50	17,40	16,30

SPECTRANAL® solvents for spectroscopy

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	
65202	**Methyl 4-aminocinnamate** PROSYNTH® *Méthyle 4-aminocinnamate / Metilo 4-aminocinamato* $NH_2C_6H_4CH=CHCOOH$ $C_9H_9NO_2$ $M = 163{,}18$ g/mol melting range ..... 127—129 °C	WG. *2923*	25 g	price on request			
	Methylaminocyclohexane see N-Methylcyclohexylamine						
	2-Methylaminoethanol see N-Methylethanolamine						
	2-Methylamino-1-ethenesulphonic acid see N-Methyltaurine						
	4-Methylaminophenol sulphate, 100% see ECOL®						
65002 A 6.1/21 C 6.1 1935 1	**3-Methylaminopropionitrile** PROSYNTH® *3-Méthylaminopropionitrile / 3-Metilaminopropionitrilo* $CH_3NHCH_2CH_2CN$ $C_4H_8N_2$ $M = 84{,}12$ g/mol **1 L ≈ 0,91 kg** assay (GC) ..... 99% boiling range ..... 183—185 °C refractive index (n_D^{20}) ..... 1,432 R: 23/24/25 S: 44 disposal: 15	FL. *2927*	100 ml	19,75	16,80	15,80	14,
	Methyl-(3-aminopropyl)ether see 3-Methoxypropylamine						
39411	**6-Methylaminopurine** BIOSYNTH® *6-Méthylaminopurine / 6-Metilaminopurina* package of 250 mg $C_6H_7N_5$ $M = 149{,}15$ g/mol	*2935*	1 pack	74,50	63,35	59,60	55,
62779	**Methylammonium chloride** PROSYNTH® *Méthylammonium chlorure / Metilamonio cloruro* $CH_3NH_2 \cdot HCl$ CH_6ClN $M = 67{,}52$ g/mol assay ..... 99% melting range ..... 229—231 °C	WG. *2922*	500 g	32,75	27,85	26,20	25,
09058	**Methylammonium chloride-d_3** deuteration degree not less than 98 atom% D *Méthylamine chlorhydrate-d_3 / Metilamina clorhidrato-d_3* $CD_3NH_2 \cdot HCl$ CH_3ClD_3N $M = 70{,}49$ g/mol	A. *2851*	5 g	76,—	64,60	60,80	57,
	Methyl amyl ketone see Heptanone-(2)						
15731 A 6.1/11B C 6.1 2294 3	**N-Methylaniline** *N-Méthylaniline / N-Metilanilina* $C_6H_5NHCH_3$ C_7H_9N $M = 107{,}15$ g/mol **1 L ≈ 1,00 kg** assay (GC) ..... 98% boiling range ..... 193—195 °C density (D_4^{20}) ..... 0,985—0,988 refractive index (n_D^{20}) ..... 1,5700—1,5720 R: 23/24/25-33 S: 28-37-44 disposal: 19	FL. FL. EKS. *2922*	500 ml 1 L 30 kg	16,50 29,25 price on request	14,05 24,85	13,20 23,40	12, 22,
	2-Methylaniline see o-Toluidine						
	3-Methylaniline see m-Toluidine						
	4-Methylaniline see p-Toluidine						
	Methylaniline (di) see N,N-Dimethylaniline						
	Methyl bromide see also Bromomethane						

umber R GVS ODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
9-Methylanthracene PROSYNTH®		WG.	5 g	52,—	44,20	41,60	39,—
9-Méthylanthracène / 9-Metilantraceno		*2901*					
$C_6H_4CH=C_6H_4=CCH_3$							
$C_{15}H_{12}$ $M = 192{,}26$ g/mol							
assay (GC) 98%							
melting range ..... 78—80 °C							
Methyl anthranilate see Methyl 2-aminobenzoate							
3-Methylbenzaldehyde PROSYNTH® stabilized with hydroquinone (1 g/l)		FL.	5 ml	28,75	24,45	23,—	21,55
3-Méthylbenzaldéhyde / 3-Metilbenzaldehido		*2911*					
$CH_3C_6H_4CHO$							
C_8H_8O $M = 120{,}15$ g/mol **1 L ≈ 1,02 kg**							
assay (GC) 98%							
boiling range ..... 197—199 °C							
refractive index (n_D^{20}) 1,541							
4-Methylbenzaldehyde PROSYNTH®		FL.	100 ml	17,—	14,45	13,60	12,75
4-Méthylbenzaldéhyde / 4-Metilbenzaldehido		*2911*					
$CH_3C_6H_4CHO$							
C_8H_8O $M = 120{,}15$ g/mol **1 L ≈ 1,02 kg**							
assay (GC) 99%							
boiling range ..... 203—205 °C							
refractive index (n_D^{20}) 1,545							
Methylbenzene see Toluene							
2-Methylbenzimidazole PROSYNTH®		WG.	25 g	34,50	29,35	27,60	25,90
2-Méthylbenzimidazole / 2-Metilbenzimidazol		*2935*					
$C_6H_4NHC(CH_3)=N$							
$C_8H_8N_2$ $M = 132{,}16$ g/mol							
assay (ex N) 98%							
melting range ..... 175—177 °C							
Methyl benzoate pure		FL.	1 L	78,—	66,30	62,40	60,05
Méthyle benzoate / Metilo benzoato		FL.	2,5 L	164,—	136,10	127,90	123,—
$C_6H_5COOCH_3$		EKL.	30 kg	kg	7,10		
$C_8H_8O_2$ $M = 136{,}15$ g/mol **1 L ≈ 1,08 kg**		EKL.	5x	kg	6,60		
assay (GC) 99%		*2914*					
boiling range ..... 197—199 °C							
density (D_4^{20}) ..... 1,084—1,088							
refractive index (n_D^{20}) ..... 1,5160—1,5180							
2-Methylbenzoic acid PROSYNTH®		PF.	1 kg	35,—	29,75	28,—	26,95
Acide 2-méthylbenzoïque / Acido 2-metilbenzóico		*2914*					
$CH_3C_6H_4COOH$							
$C_8H_8O_2$ $M = 136{,}15$ g/mol							
assay (alkalimetric) 98%							
melting range ..... 103—105 °C							
3-Methylbenzoic acid PROSYNTH®		PF.	1 kg	61,50	52,30	49,20	47,35
Acide 3-méthylbenzoïque / Acido 3-metilbenzóico		*2914*					
$CH_3C_6H_4COOH$							
$C_8H_8O_2$ $M = 136{,}15$ g/mol							
assay (alkalimetric) 98%							
melting range ..... 108—110 °C							
4-Methylbenzoic acid PROSYNTH®		PF.	1 kg	82,50	70,15	66,—	63,55
Acide 4-méthylbenzoïque / Acido 4-metilbenzóico		*2914*					
$CH_3C_6H_4COOH$							
$C_8H_8O_2$ $M = 136{,}15$ g/mol							
assay (alkalimetric) 98%							
melting range ..... 179—181 °C							
4-Methylbenzoic acid chloride see 3-Methylbenzoyl chloride							
3-Methylbenzoic acid nitrile see m-Tolunitrile							
4-Methylbenzoic acid nitrile see p-Tolunitrile							

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	9 (16 B
64686	**Methyl-1,4-benzoquinone** PROSYNTH® *Méthyl-1-4-benzoquinone / Metil-1,4-benzoquinona* $C_6H_4(COCH=CHCOCH=C)CH_3$ $C_7H_6O_2$ M = 122,12 g/mol assay (GC) ..... 97% melting range ..... 66–68 °C R: 23/24/25 S: 44 disposal: 6	WG. *2913*	50 g	89,50	76,10	71,60	67
64995	**2-Methylbenzoselenazole** PROSYNTH® *2-Méthylbenzosélénazole / 2-Metilbenzoselenazol* $C_6H_4SeC(CH_3)=N$ C_8H_7NSe M = 196,11 g/mol assay ..... 97% melting range ..... 30–33 °C R: 23/25-33 S: 20/21-28-44 disposal: 10	FL. *2935*	1 g	17,—	14,45	13,60	12
63619	**2-Methylbenzothiazole** PROSYNTH® *Méthyl-2-benzothiazole / 2-Metilbenzotiazol* $C_6H_4SC(CH_3)=N$ C_8H_7NS M = 149,22 g/mol 1 L ≈ 1,18 kg assay (GC) ..... 99% boiling range ..... 235–237 °C refractive index (n_D^{20}) 1,617	FL. *2935*	50 ml	30,75	26,15	24,60	23
64093	**1-Methylbenzotriazole** PROSYNTH® *Méthylbenzotriazole-1 / 1-Metilbenzotriazol* $C_6H_4N(CH_3)N=N$ $C_7H_7N_3$ M = 133,15 g/mol assay (ex N) ..... 95% melting range ..... 63–65 °C	WG. *2935*	25 g	118,—	100,30	94,40	88
62785	**2-Methylbenzoxazole** PROSYNTH® *2-Méthylbenzoxazole / 2-Metilbenzoxazol* $C_6H_4OC(CH_3)N$ C_8H_7NO M = 133,15 g/mol 1 L ≈ 1,12 kg assay (GC) ..... 98% boiling range ..... 201–203 °C refractive index (n_D^{20}) 1,549	FL. *2935*	50 ml	36,75	31,25	29,40	27
63925 A 8/22 C 8 1760 2	**2-Methylbenzoyl chloride** PROSYNTH® *2-Méthylbenzoyle chlorure / 2-Metilbenzoilo cloruro* $CH_3C_6H_4COCl$ C_8H_7ClO M = 154,60 g/mol 1 L ≈ 1,18 kg assay (GC) ..... 99% boiling range ..... 211–213 °C refractive index (n_D^{20}) 1,554	FL. *2914*	100 ml	61,50	52,30	49,20	46
63926 A 8/22 C 8 1760 2	**3-Methylbenzoyl chloride** PROSYNTH® *3-Méthylbenzoyle chlorure / 3-Metilbenzoilo cloruro* $CH_3C_6H_4COCl$ C_8H_7ClO M = 154,60 g/mol 1 L ≈ 1,17 kg assay (GC) ..... 99% boiling range ..... 218-220 °C refractive index (n_D^{20}) 1,548	FL. *2914*	100 ml	62,50	53,15	50,—	46
62786 A 8/22 C 8 1760 2	**4-Methylbenzoyl chloride** PROSYNTH® *4-Méthylbenzoyle chlorure / 4-Metilbenzoilo cloruro* $CH_3C_6H_4COCl$ C_8H_7ClO M = 154,60 g/mol 1 L ≈ 1,17 kg assay (GC) ..... 99% boiling range ..... 225–227 °C refractive index (n_D^{20}) 1,554	FL. *2914*	100 ml	28,—	23,80	22,40	21

e-Number / D/ADR / VE/GGVS / OG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
20	**2-Methylbenzyl alcohol** PROSYNTH® *Alcool 2-méthylbenzylique / Alcohol 2-metilbencílico* $CH_3C_6H_4CH_2OH$ $C_8H_{10}O$ M = 122,17 g/mol assay (GC) ..... 99% melting range ..... 34—36 °C	WG. 2905	10 g	43,75	37,20	35,—	32,80
74	**3-Methylbenzyl alcohol** PROSYNTH® *Alcool 3-méthylbenzylique / Alcohol 3-metilbencílico* $CH_3C_6H_4CH_2OH$ $C_8H_{10}O$ M = 122,17 g/mol **1 L ≈ 0,91 kg** assay (GC) 90%	FL. 2905	25 ml	88,50	75,25	70,80	66,40
	4-Methylbenzyl alcohol see Anise alcohol						
37 35 760 2	**DL-α-Methylbenzylamine** PROSYNTH® *DL-α-Méthylbenzylamine / DL-α-Metilbencilamina* $C_6H_5CH(CH_3)NH_2$ $C_8H_{11}N$ M = 121,18 g/mol **1 L ≈ 0,95 kg** assay (GC) ..... 98% boiling range ..... 184—187 °C refractive index (n_D^{20}) 1,526	FL. 2922	100 ml	42,75	36,35	34,20	32,05
76 35 760 2	**(+)-α-Methylbenzylamine** PROSYNTH® *(+)-α-Méthylbenzylamine / (+)-α-Metilbencilamina* $C_6H_5CH(CH_3)NH_2$ $C_8H_{11}N$ M = 121,18 g/mol **1 L ≈ 0,94 kg** assay (GC) ..... 99% boiling range ..... 185—187 °C refractive index (n_D^{20}) ..... 1,526 spec. rotation ($[\alpha]_D^{20}$) ..... +39° ±1°	FL. 2922	5 ml	47,—	39,95	37,60	35,25
75 35 1760 2	**(–)-α-Methylbenzylamine** PROSYNTH® *(–)-α-Méthylbenzylamine / (–)-α-Metilbencilamina* $C_6H_5CH(CH_3)NH_2$ $C_8H_{11}N$ M = 121,18 g/mol **1 L ≈ 0,94 kg** assay (GC) ..... 99% boiling range ..... 185—187 °C refractive index (n_D^{20}) ..... 1,526 spec. rotation ($[\alpha]_D^{20}$) ..... –39° ±1°	FL. 2922	5 ml	45,—	38,25	36,—	33,75
	Methylbenzylamine see N-Benzylmethylamine						
88 1/23A 1 2810 2	**2-Methylbenzyl bromide** PROSYNTH® *2-Méthylbenzyle bromure / 2-Metilbencilo bromuro* $CH_3C_6H_4CH_2Br$ C_8H_9Br M = 185,06 g/mol **1 L ≈ 1,39 kg** assay (GC) ..... 99% boiling range (at 989 mbar) ..... 215—217 °C refractive index (n_D^{20}) 1,575	FL. 2902	25 ml	69,—	58,65	55,20	51,75
377 1/23A 1 1701 2	**3-Methylbenzyl bromide** PROSYNTH® *3-Méthylbenzyle bromure / 3-Metilbencilo bromuro* $CH_3C_6H_4CH_2Br$ C_8H_9Br M = 185,06 g/mol **1 L ≈ 1,37 kg** assay (GC) ..... 98% boiling range ..... 211—213 °C refractive index (n_D^{20}) 1,566	FL. 2902	25 ml	78,—	66,30	62,40	58,50
789 1/23A 1 2810 2	**4-Methylbenzyl bromide** PROSYNTH® *4-Méthylbenzyle bromure / 4-Metilbencilo bromuro* $CH_3C_6H_4CH_2Br$ C_8H_9Br M = 185,06 g/mol **1 L ≈ 1,37 kg** assay (GC) ..... 98% melting range ..... 34—36 °C	FL. 2902	100 ml	118,—	100,30	94,40	88,50

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63878 A 6.1/23A C 6.1 2810 2	**2-Methylbenzyl chloride** PROSYNTH® *2-Méthylbenzyle chlorure / 2-Metilbencilo cloruro* $CH_3C_6H_4CH_2Cl$ C_8H_9Cl $M = 140{,}61$ g/mol **1 L ≈ 1,08 kg** assay (GC) ..... 99% boiling range ..... 199–202 °C refractive index (n_D^{20}) 1,541	FL. *2902*	25 ml	45,25	38,45	36,20	33
63879 A 6.1/23A C 6.1 2810 2	**3-Methylbenzyl chloride** PROSYNTH® *3-Méthylbenzyle chlorure / 3-Metilbencilo cloruro* $CH_3C_6H_4CH_2Cl$ C_8H_9Cl $M = 140{,}61$ g/mol **1 L ≈ 1,06 kg** assay ..... 95% boiling range ..... 194–196 °C refractive index (n_D^{20}) 1,534	FL. *2902*	25 ml	43,25	36,75	34,60	32
62790 A 6.1/23A C 6.1 2810 2	**4-Methylbenzyl chloride** PROSYNTH® *4-Méthylbenzyle chlorure / 4-Metilbencilo cloruro* $CH_3C_6H_4CH_2Cl$ C_8H_9Cl $M = 140{,}61$ g/mol **1 L ≈ 1,07 kg** assay (GC) ..... 97% boiling range ..... 200–202 °C refractive index (n_D^{20}) 1,533	FL. *2902*	100 ml	19,–	16,15	15,20	14
39299 C 6.1 2931 2	**Methyl S-benzyl-L-cysteinate hydrochloride** BIOSYNTH® *Méthyle S-benzyl-L-cystéinate chlorhydrate / Metilo S-bencil-L-cisteinato clorhidrato* $C_6H_5CH_2SCH_2CH(NH_2)COOCH_3 \cdot HCl$ $C_{11}H_{16}ClNO_2S$ $M = 261{,}77$ g/mol	WG. *2931*	5 g	47,75	40,60	38,20	35
64094 A 6.1/21 C 6.1 2811 2	**3-Methylbenzyl thiocyanate** PROSYNTH® *3-Méthylbenzyle thiocyanate / 3-Metilbencilo tiocianato* $CH_3C_6H_4CH_2SCN$ C_9H_9NS $M = 163{,}24$ g/mol assay (GC) ..... 97% R: 20/21/22-32 S: 2-13 disposal: 8	FL. *2931*	10 g	53,50	45,50	42,80	40
09059 A 2/11AT C 2 1062	**Methyl bromide-d_3** deuteration degree not less than 99 atom% D *Méthyle bromure-d_3 / Metilo bromuro-d_3* CD_3Br $M = 97{,}92$ g/mol R: 26 S: 1/2-7/9-24/25-27-45 disposal: 13	A. *2851*	5 ml	94,–	79,90	75,20	70
	Methyl bromide see also Bromomethane						
62199 A 6.1/61G C 6.1 2810 2	**Methyl bromoacetate** PROSYNTH® *Méthyle bromoacétate / Metilo bromoacetato* $BrCH_2COOCH_3$ $C_3H_5BrO_2$ $M = 152{,}98$ g/mol **1 L ≈ 1,66 kg** assay (GC) ..... 97% boiling range ..... 142–145 °C refractive index (n_D^{20}) ..... 1,457 R: 26/27/28 S: 7/9-26-45 disposal: 7	FL. *2914*	250 ml	51,–	43,35	40,80	38
02887 A 6.1/61G C 6.1 2810 2	**Methyl 2-bromobutyrate** *Méthyle 2-bromobutyrate / Metilo 2-bromobutirato* $CH_3CH_2CHBrCOOCH_3$ $C_5H_9BrO_2$ $M = 181{,}03$ g/mol **1 L ≈ 1,41 kg** assay (GC) ..... 99% boiling range (at 15 mbar) ..... 57–59 °C refractive index (n_D^{20}) 1,451	FL. *2914*	1 L	price on request			
	2-Methyl-1-bromomethylbenzene see 2-Methylbenzyl bromide						

Number ADR /GGVS -CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	4-Methyl-1-bromomethylbenzene see 4-Methylbenzyl bromide						
1G 3102	**Methyl DL-2-bromopropionate** *Méthyle DL-2-bromopropionate / Metilo DL-2-bromopropionato* $CH_3CHBrCOOCH_3$ $C_4H_7BrO_2$ $M = 167{,}00$ g/mol **1 L ≈ 1,50 kg** assay (GC) ..... 99% boiling range ..... 143–145 °C refractive index (n_D^{20}) ..... 1,451 R: 36/37/38 S: 26 disposal: 7	FL. STP. F. 2914	500 ml 40 kg 250 kg	94,– price on request price on request	79,90	75,20	72,40
2182 1	**2-Methylbutadiene-(1,3)** PROSYNTH® stabilized with 4-*tert.*-butylpyrocatechol *2-Méthylbutadiène-(1-3) / 2-Metilbutadieno-(1,3)* $CH_2=CHC(CH_3)=CH_2$ C_5H_8 $M = 68{,}12$ g/mol **1 L ≈ 0,68 kg** assay (GC) ..... 98% boiling range ..... 34–36 °C refractive index (n_D^{20}) ..... 1,422 R: 12 S: 9-16-29-33 disposal: 6	FL. 2901	1 L	23,50	20,–	18,80	18,10
	2-Methylbutane see *iso*-Pentane						
1052	**2-Methylbutanol-(2)** PROSYNTH® *Méthyl-2-butanol-(1) / 2-Metilbutanol-(1)* $CH_3CH_2CH(CH_3)CH_2OH$ $C_5H_{12}O$ $M = 88{,}15$ g/mol **1 L ≈ 0,82 kg** assay (GC) ..... 98% boiling range ..... 126–129 °C refractive index (n_D^{20}) ..... 1,410 R: 11-20/21/22 S: 26-28 disposal: 6	FL. 2904	500 ml	23,75	20,20	19,–	18,30
1052	**2-Methylbutanol-(2)** *2-Méthylbutanol-(2) / 2-Metilbutanol-(2)* $(CH_3)_2C(OH)CH_2CH_3$ $C_5H_{12}O$ $M = 88{,}15$ g/mol **1 L ≈ 0,81 kg** assay (GC) ..... 99,5% congealing point ..... –10 °C boiling range ..... 101–102 °C density (D_4^{20}) ..... 0,808–0,812 R: 11-20 S: 9-16-24/25 disposal: 6	FL. FL. 2904	500 ml 1 L	14,50 26,25	12,35 22,30	11,60 21,–	11,15 20,20
1052	**3-Methylbutanol-(1)** PROSYNTH® *Méthyl-3-butanol-(1) / 3-Metilbutanol-(1)* $(CH_3)_2CHCH_2CH_2OH$ $C_5H_{12}O$ $M = 88{,}15$ g/mol **1 L ≈ 0,81 kg** assay (GC) ..... 98% boiling range ..... 130–132 °C refractive index (n_D^{20}) ..... 1,407 R: 10-20 S: 24/25 disposal: 6	FL. FL. 2904	1 L 2,5 L	34,50 70,–	29,35 58,10	27,60 54,60	26,55 52,50

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64689 A 3/3 C 3.3 1993 2 +39 °C	**3-Methylbutanol-(2)** PROSYNTH® *3-Méthylbutanol-2 / 3-Metilbutanol-2* $(CH_3)_2CHCH(OH)CH_3$ $C_5H_{12}O$ $M = 88{,}15$ g/mol **1 L ≈ 0,82 kg** assay (GC) ..... 98 % boiling range ..... 111 – 113 °C refractive index (n_D^{20}) ..... 1,409 R: 10-20 S: 24/25 disposal: 6	FL. *2904*	100 ml	38,25	32,50	30,60	28,
	2-Methylbutanol-(2)-on-(3) see 2-Hydroxy-2-methylbutanone-(3)						
	2-Methylbutanone-(3) see Methyl-*iso*-propyl ketone						
63880 A 3/1A C 3.1 2459 1 -48 °C	**2-Methylbutene-(1)** PROSYNTH® *2-Méthylbutène-(1) / 2-Metilbuteno-(1)* $CH_2=C(CH_3)CH_2CH_3$ C_5H_{10} $M = 70{,}13$ g/mol **1 L ≈ 0,66 kg** assay (GC) ..... 97 % boiling range ..... 30 – 32 °C refractive index (n_D^{20}) ..... 1,378 keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 11 S: 9-16-33 disposal: 6	FL. *2901*	50 ml	46,50	39,55	37,20	34,
	Methylbutenedioic acid see Mesaconic acid						
63623 A 3/1A C 3.2 1987 2 +10 °C	**2-Methylbutene-(3)-ol-(2)** PROSYNTH® *2-Méthylbutène-(3)-ol-(2) / 2-Metilbuteno-(3)-ol-(2)* $CH_2=CHC(CH_3)_2OH$ $C_5H_{10}O$ $M = 86{,}13$ g/mol **1 L ≈ 0,82 kg** assay (GC) ..... 98 % boiling range ..... 97 – 99 °C refractive index (n_D^{20}) ..... 1,418 R: 11 S: 9-16-33 disposal: 6	FL. *2904*	100 ml	23,75	20,20	19,—	17,
	2-Methyl-2-butenoic acid see Tiglic acid						
62793	**3-Methyl-2-butenoic acid** PROSYNTH® *Acide 3-méthyl-2-buténoïque / Acido 3-metil-2-butenóico* $(CH_3)_2C=CHCOOH$ $C_5H_8O_2$ $M = 100{,}12$ g/mol assay (alkalimetric) ..... 90 % melting range ..... 67 – 69 °C	PF. *2914*	100 g	26,25	22,30	21,—	19,
62795 A 3/1A C 3.2 1993 2 +2 °C	**N-Methylbutylamine** PROSYNTH® *N-Méthylbutylamine / N-Metilbutilamina* $CH_3NH(CH_2)_3CH_3$ $C_5H_{13}N$ $M = 87{,}16$ g/mol **1 L ≈ 0,74 kg** assay (GC) ..... 97 % boiling range ..... 89 – 92 °C refractive index (n_D^{20}) ..... 1,401 R: 11-36/37/38 S: 9-16 disposal: 19	FL. *2922*	100 ml	51,50	43,80	41,20	38,
	Methylbutylcarbinol see Hexanol-(2)						
	Methyl *iso*-butylcarbinol see 4-Methylpentanol-(2)						

refer explanations

Number DR /GGVS -CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	Methyl *iso*-butyl ketone for extraction analysis, Reag. ACS, Reag. Ph. Eur. I	FL.	250 ml	11,25	9,55	9,—	8,45
245 2	*Méthyl iso-butylcétone / Metil iso-butilcetona*	FL.	1 L	29,50	25,10	23,60	22,70
	$CH_3COCH_2CH(CH_3)_2$	FL.	2,5 L	62,—	51,45	48,35	46,50
	$C_6H_{12}O$ $M = 100,16$ g/mol **1 L ≈ 0,80 kg**	*2913*					
	assay (GC) ..... min. 99%						
	boiling range ..... 114—117 °C						
	density (D_4^{20}) ..... 0,799—0,802						
	refractive index (n_D^{20}) ..... 1,3960—1,3970						
	non-volatile matter ..... max. 0,001%						
	water (acording to Karl Fischer) ..... max. 0,005%						
	free acid (as CH_3COOH) ..... max. 0,01%						
	aluminium (Al) ..... max. 0,00005%						
	barium (Ba) ..... max. 0,00001%						
	lead (Pb) ..... max. 0,00001%						
	boron (B) ..... max. 0,000002%						
	cadmium (Cd) ..... max. 0,000005%						
	calcium (Ca) ..... max. 0,00005%						
	chromium (Cr) ..... max. 0,000002%						
	iron (Fe) ..... max. 0,00001%						
	cobalt (Co) ..... max. 0,000002%						
	copper (Cu) ..... max. 0,00001%						
	magnesium (Mg) ..... max. 0,00001%						
	manganese (Mn) ..... max. 0,000002%						
	nickel (Ni) ..... max. 0,00002%						
	zinc (Zn) ..... max. 0,00001%						
	tin (Sn) ..... max. 0,00001%						
	$KMnO_4$ reducing matters (as O) ..... max. 0,0003%						
	R: 11 S: 9-16-23-33 disposal: 6						
3	**Methyl *iso*-butyl ketone** min. 99,9% for gas chromatography	FL.	5 ml	49,25	41,85	39,40	36,95
	Méthyl iso-butylcétone / Metil iso-butilcetona	*2913*					
229 2	$CH_3COCH_2CH(CH_3)_2$						
C	$C_6H_{12}O$ $M = 100,16$ g/mol **1 L ≈ 0,80 kg**						
	R: 11 S: 9-16-23-33 disposal: 6						
2	**Methyl *iso*-butyl ketone** PROSYNTH®	FL.	1 L	16,—	13,60	12,80	12,30
	Méthyl iso-butylcétone / Metil iso-butilcetona	FL.	2,5 L	30,75	25,50	24,—	23,05
245 2	$CH_3COCH_2CH(CH_3)_2$	*2913*					
C	$C_6H_{12}O$ $M = 100,16$ g/mol **1 L ≈ 0,80 kg**						
	assay (GC) 99%						
	boiling range ..... 115—117 °C						
	refractive index (n_D^{20}) 1,396						
	R: 11 S: 9-16-23-33 disposal: 6						
	Methyl *n*-butyl ketone see Hexanone-(2)						
4	**2-Methyl-3-butyn-2-ol** PROSYNTH®	FL.	100 ml	14,—	11,90	11,20	10,50
	2-Méthyl-3-butyn-2-ol / 2-Metil-3-butin-2-ol	*2904*					
1987 2	$HC \equiv CC(CH_3)_2OH$						
C	C_5H_8O $M = 84,12$ g/mol **1 L ≈ 0,86 kg**						
	assay (GC) 99%						
	boiling range ..... 102—105 °C						
	refractive index (n_D^{20}) 1,420						
	R: 11 S: 7-16 disposal: 6						
3	**2-Methylbutyraldehyde** PROSYNTH®	FL.	500 ml	84,50	71,85	67,60	65,05
A	*Aldéhyde 2-méthylbutyrique / Aldehido 2-metilbutírico*	*2911*					
1993 2	$CH_3CH_2CH(CH_3)CHO$						
C	$C_5H_{10}O$ $M = 86,13$ g/mol **1 L ≈ 0,80 kg**						
	assay (GC) 98%						
	boiling range ..... 91—93 °C						
	refractive index (n_D^{20}) 1,387						
	R: 11 S: 9-29-33 disposal: 14						

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96 (16 Bo.
30802 A 3/1A C 3.2 1237 2 +14 °C	**Methyl butyrate** min. 99,9% for gas chromatography *Méthyle butyrate / Metilo butirato* $CH_3CH_2CH_2COOCH_3$ $C_5H_{10}O_2$ $M = 102{,}13$ g/mol **1 L ≈ 0,90 kg** R: 11 S: 9-16-33 disposal: 6	FL. *2914*	5 ml	49,25	41,85	39,40	36
64368 A 3/1A C 3.2 1237 2 +12 °C	**Methyl *iso*-butyrate** PROSYNTH® *Méthyle iso-butyrate / Metilo iso-butirato* $(CH_3)_2CHCOOCH_3$ $C_5H_{10}O_2$ $M = 102{,}13$ g/mol **1 L ≈ 0,89 kg** assay (GC) ..... 99% boiling range ..... 91—93 °C refractive index (n_D^{20}) ..... 1,384 R: 11 S: 9-16-33 disposal: 6	FL. *2914*	250 ml	38,25	32,50	30,60	28
64691 A 3/4 +83 °C	**DL-2-Methylbutyric acid** PROSYNTH® *Acide DL-méthyl-2-butyrique / Acido DL-2-metilbutirico* $CH_3CH_2CH(CH_3)COOH$ $C_5H_{10}O_2$ $M = 102{,}13$ g/mol **1 L ≈ 0,94 kg** assay (GC) ..... 99% boiling range ..... 176—178 °C refractive index (n_D^{20}) 1,406	FL. *2914*	100 ml	27,—	22,95	21,60	20,
30807 A 3/4 +90 °C	**Methyl caprate** min. 99,9% for gas chromatography *Méthyle caprate / Metilo caprato* $CH_3(CH_2)_8COOCH_3$ $C_{11}H_{22}O_2$ $M = 186{,}29$ g/mol **1 L ≈ 0,87 kg**	FL. *2914*	5 ml	49,25	41,85	39,40	36,
30805 A 3/4 +69 °C	**Methyl caprylate** min. 99,9% for gas chromatography *Méthyle caprylate / Metilo caprilato* $CH_3(CH_2)_6COOCH_3$ $C_9H_{18}O_2$ $M = 158{,}24$ g/mol **1 L ≈ 0,88 kg**	FL. *2914*	5 ml	49,25	41,85	39,40	36,
63624 A 3/4 C ./.FLP69 +69 °C	**Methyl caprylate** PROSYNTH® *Méthyle caprylate / Metilo caprilato* $CH_3(CH_2)_6COOCH_3$ $C_9H_{18}O_2$ $M = 158{,}24$ g/mol assay (GC) ..... 99% boiling range ..... 192—193 °C refractive index (n_D^{20}) 1,417	FL. *2914*	100 ml	25,25	21,45	20,20	18,
62269	**Methyl carbamate** PROSYNTH® *Méthyle carbamate / Metilo carbamato* NH_2COOCH_3 $C_2H_5NO_2$ $M = 75{,}07$ g/mol assay (GC) ..... 99% melting range ..... 54—56 °C	WG. *2925*	250 g	19,25	16,35	15,40	14,
	Methylcarbitol see Diethylene glycol monomethyl ether						
	Methylcatechol see Methylpyrocatechol						
	Methyl cellosolve see Ethylene glycol monomethyl ether						
62311 A 6.1/61G C 3.3 2295 2 +32 °C	**Methyl chloroacetate** PROSYNTH® *Méthyle chloroacétate / Metilo cloroacetato* $ClCH_2COOCH_3$ $C_3H_5ClO_2$ $M = 108{,}52$ g/mol **1 L ≈ 1,23 kg** assay (GC) ..... 99% boiling range ..... 128—130 °C refractive index (n_D^{20}) ..... 1,422 R: 23/24/25 S: 7/9-44 disposal: 7	FL. *2914*	1 L	26,75	22,75	21,40	20,

refer explanations

Number ADR E/GGVS -CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
1E 810 2	**Methyl 2-chloroacetoacetate** PROSYNTH® *Méthyle chloro-2-acétoacétate / Metilo 2-cloroacetoacetato* $CH_3COCHClCOOCH_3$ $C_5H_7ClO_3$ $M = 150{,}56$ g/mol **1 L ≈ 1,25 kg** assay (GC) ..... 95% boiling range (at 15 mbar) ..... 58—60 °C refractive index (n_D^{20}) ..... 1,446 R: 36/37/38 S: 26 disposal: 7	FL. *2916*	250 ml 1 L	29,— 96,50	24,65 82,05	23,20 77,20	21,75 74,30
4B 238 1	**Methyl chloroformate** PROSYNTH® *Méthyle chloroformiate / Metilo cloroformiato* $ClCOOCH_3$ $C_2H_3ClO_2$ $M = 94{,}50$ g/mol **1 L ≈ 1,22 kg** assay (GC) ..... 97% boiling range ..... 69—72 °C refractive index (n_D^{20}) ..... 1,387 R: 11-23-36/37/38 S: 9-16-33-44 disposal: 7	FL. *2914*	250 ml	13,25	11,25	10,60	9,95
	4-Methyl-1-chloromethylbenzene see 4-Methylbenzyl bromide						
61E 993 2	**Methyl 2-chloropropionate** PROSYNTH® *Méthyle 2-chloropropionate / Metilo 2-cloropropionato* $CH_3CHClCOOCH_3$ $C_4H_7ClO_2$ $M = 122{,}55$ g/mol **1 L ≈ 1,14 kg** assay (GC) ..... 94% boiling range ..... 129—132 °C refractive index (n_D^{20}) ..... 1,417 R: 20/21/22 S: 28 disposal: 7	FL. *2914*	500 ml	29,—	24,65	23,20	22,35
	Methyl cinnamate PROSYNTH® *Méthyle cinnamate / Metilo cinamato* $C_6H_5CH=CHCOOCH_3$ $C_{10}H_{10}O_2$ $M = 162{,}19$ g/mol assay (GC) ..... 99% melting range ..... 34—36 °C	FL. *2914*	100 ml	15,50	13,20	12,40	11,65
21 09 3	**6-Methylcoumarin** PROSYNTH® *6-Méthylcoumarine / 6-Metilcumarina* $CH_3C_6H_3OCOCH=CH$ $C_{10}H_8O_2$ $M = 160{,}17$ g/mol assay ..... 99% melting range ..... 74—76 °C R: 23/24/25 S: 1-13-45 disposal: 10	WG. *2935*	25 g	23,75	20,20	19,—	17,80

FIXANAL® preparations for standard solutions

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	(16
62368 A 3/1A C 3.2 1993 2 -1 °C	**Methyl crotonate** PROSYNTH® *Méthyle crotonate / Metilo crotonato* $CH_3CH=CHCOOCH_3$ $C_5H_8O_2$ $M = 100{,}12$ g/mol **1 L ≈ 0,95 kg** assay (GC) ..... 99% boiling range ..... 120–122 °C refractive index (n_D^{20}) ..... 1,424 R: 11 S: 9-16-33 disposal: 6	FL. *2914*	100 ml	23,25	19,75	18,60	
	Methyl cyanide see Acetonitrile						
62375 A 6.1/21A C 6.1 2810 3	**Methyl cyanoacetate** PROSYNTH® *Méthyle cyanacétate / Metilo cianacetato* $NCCH_2COOCH_3$ $C_4H_5NO_2$ $M = 99{,}09$ g/mol **1 L ≈ 1,13 kg** assay (GC) ..... 99% boiling range ..... 200–202 °C refractive index (n_D^{20}) 1,418	FL. *2927*	250 ml	21,75	18,50	17,40	
30841 A 3/1A C 3.2 2296 2 -4 °C	**Methylcyclohexane** min. 99,9% for gas chromatography *Méthylcyclohexane / Metilciclohexano* $\underline{CH_2(CH_2)_4CH}CH_3$ C_7H_{14} $M = 98{,}19$ g/mol **1 L ≈ 0,77 kg** R: 11 S: 9-16-33 disposal: 6	FL. *2901*	5 ml	49,25	41,85	39,40	3
62796 A 3/1A C 3.2 1240 2 -4 °C	**Methylcyclohexane** PROSYNTH® *Méthylcyclohexane / Metilciclohexano* $\underline{CH_2(CH_2)_4CH}CH_3$ C_7H_{14} $M = 98{,}19$ g/mol **1 L ≈ 0,77 kg** assay (GC) ..... 99% boiling range ..... 100–102 °C refractive index (n_D^{20}) ..... 1,423 R: 11 S: 9-16-33 disposal: 6	FL. *2901*	1 L	21,50	18,30	17,20	1
09060 A 3/1A C 3.2 2296 2 - 4 °C	**Methylcyclohexane-d_{14}** deuteration degree not less than 99 atom% D *Méthylcyclohexane-d_{14} / Metilciclohexano-d_{14}* $\underline{CD_2(CD_2)_4CD}CD_3$ C_7D_{14} $M = 112{,}08$ g/mol **1 L ≈ 0,78 kg** R: 11 S: 9-16-33 disposal: 6	A. *2851*	5 ml	75,50	64,20	60,40	5
64692	**2-Methyl-1,3-cyclohexanedione** PROSYNTH® *Méthyl-2-cyclohexanedione-1-3 / 2-Metil-1,3-ciclohexanodiona* $CH_3\underline{CHCOCH_2CH_2CH_2CO}$ $C_7H_{10}O_2$ $M = 126{,}15$ g/mol assay ..... 97% melting range ..... 207–209 °C keep in refrigerator à stocker dans le refrigidaire almacenaje en la nevera	PF. *2913*	25 g	109,–	92,65	87,20	8

Number DR GGVS CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	2-Methylcyclohexanol mixture of *cis*- and *trans* isomers PROSYNTH® *Méthyl-2-cyclohexanol / 2-Metilciclohexanol* $CH_3\underbrace{CH(CH_2)_4}CHOH$ $C_7H_{14}O$ $M = 114{,}19$ g/mol **1 L ≈ 0,93 kg** assay (GC) ..... 97% boiling range ..... 163–165 °C refractive index (n_D^{20}) ..... 1,463 R: 20 S: 24/25 disposal: 6	FL. 2905	250 ml	30,25	25,70	24,20	22,70
	3-Methylcyclohexanol PROSYNTH® *3-Méthylcyclohexanol / 3-Metilciclohexanol* $\underbrace{CH_2CH(CH_3)(CH_2)_3}CHOH$ $C_7H_{14}O$ $M = 114{,}19$ g/mol **1 L ≈ 0,92 kg** assay (GC) ..... 98% boiling range ..... 170–172 °C refractive index (n_D^{20}) ..... 1,457 R: 20 S: 24/25 disposal: 6	FL. 2905	100 ml	22,—	18,70	17,60	16,50
987 2	**4-Methylcyclohexanol** PROSYNTH® mixture of *cis* and *trans* isomers *4-Méthylcyclohexanol / 4-Metilciclohexanol* $\underbrace{CH_2CH_2CH(CH_3)CH_2CH_2}CHOH$ $C_7H_{14}O$ $M = 114{,}19$ g/mol **1 L ≈ 0,92 kg** assay (GC) ..... 99% boiling range ..... 171–173 °C refractive index (n_D^{20}) ..... 1,457 R: 20 S: 24/25 disposal: 6	FL. 2905	100 ml	23,75	20,20	19,—	17,80
297 3	**3-Methylcyclohexanone** PROSYNTH® *3-Méthylcyclohexanone / 3-Metilciclohexanona* $CH_3\underbrace{CH(CH_2)_3}COCH_2$ $C_7H_{12}O$ $M = 112{,}17$ g/mol **1 L ≈ 0,91 kg** assay (GC) ..... 98% boiling range ..... 167–170 °C refractive index (n_D^{20}) ..... 1,445 R: 10-20 S: 25 disposal: 6	FL. 2913	25 ml	23,50	20,—	18,80	17,65
297 3	**4-Methylcyclohexanone** PROSYNTH® *Méthyl-4-cyclohexanone / 4-Metilciclohexanona* $\underbrace{CH_2CH_2CH(CH_3)CH_2CH_2}CO$ $C_7H_{12}O$ $M = 112{,}17$ g/mol **1 L ≈ 0,92 kg** assay (GC) ..... 98% boiling range ..... 169–171 °C refractive index (n_D^{20}) ..... 1,445 R: 10-20 S: 25 disposal: 6	FL. 2913	100 ml	80,—	68,—	64,—	60,—
993 2	**N-Methylcyclohexylamine** PROSYNTH® *N-Méthylcyclohexylamine / N-Metilciclohexilamina* $\underbrace{CH_2(CH_2)_4}CHNHCH_3$ $C_7H_{15}N$ $M = 113{,}20$ g/mol **1 L ≈ 0,86 kg** assay (GC) ..... 99% boiling range ..... 147–151 °C refractive index (n_D^{20}) ..... 1,456 R: 10-36/37/38 S: 28 disposal: 19	FL. 2922	1 L	47,50	40,40	38,—	36,60

HYDRANAL® a new Karl Fischer reagent

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	9 (18 B
63625 A 3/3 C 3.3 1993 2 +53 °C	**Methylcyclopentadiene** dimer PROSYNTH® stabilized with 4-*tert.*-butylpyrocatechol (0,19 g/l) *Méthylcyclopentadiène dimère / Metilciclopentadieno dimero* $C_{12}H_{16}$ M = 160,26 g/mol **1 L ≈ 0,94 kg** assay (GC) ..... 95% boiling range (at 15 mbar) ..... 70–80 °C refractive index (n_D^{20}) ..... 1,498 keep in refrigerator à stocker dans le frigodaire almacenaje en la nevera R: 10 disposal: 6	FL. *2901*	500 ml	47,–	39,95	37,60	36
30842 A 3/1A C 3.1 2298 2 -29 °C	**Methylcyclopentane** min. 99,9% for gas chromatography *Méthylcyclopentane / Metilciclopentano* $CH_2(CH_2)_3CHCH_3$ C_6H_{12} M = 84,16 g/mol **1 L ≈ 0,75 kg** R: 11 S: 9-16-33 disposal: 6	FL. *2901*	5 ml	49,25	41,85	39,40	38
62800 A 3/1A C 3.1 1241 2 -29 °C	**Methylcyclopentane** PROSYNTH® *Méthylcyclopentane / Metilciclopentano* $CH_2(CH_2)_3CHCH_3$ C_6H_{12} M = 84,16 g/mol **1 L ≈ 0,75 kg** assay (GC) ..... 99% boiling range ..... 70–72 °C refractive index (n_D^{20}) ..... 1,410 R: 11 S: 9-16-33 disposal: 6	FL. *2901*	250 ml	32,25	27,40	25,80	24
60433	**2-Methylcyclopentanedione-(1,3)** PROSYNTH® *2-Méthylcyclopentanedione-(1-3) / 2-Metilciclopentanodiona-(1,3)* $CH_2CH_2COCH(CH_3)CO$ $C_6H_8O_2$ M = 112,13 g/mol assay (alkalimetric) ..... 99% melting range ..... 213–215 °C	WG. *2913*	50 g	189,–	160,65	151,20	141
39412	**5-Methylcytosine** BIOSYNTH® *5-Méthylcytosine / 5-Metilcitosina* Package with 250 mg $N=C(OH)N=C(NH_2)C(CH_3)=CH$ $C_5H_7N_3O$ M = 125,13 g/mol	*2935*	1 pack	28,25	24,–	22,60	21
	Methyldecyl ketone see Dodecanone-(2)						
64511 A 6.1/61E C 6.1 2810 3 +64 °C	**Methyl dichloroacetate** PROSYNTH® *Méthyle dichloroacétate / Metilo dicloroacetato* $Cl_2CHCOOCH_3$ $C_3H_4Cl_2O_2$ M = 142,97 g/mol **1 L ≈ 1,38 kg** assay (GC) ..... 99% boiling range ..... 141–144 °C refractive index (n_D^{20}) 1,442	FL. *2914*	500 ml	39,25	33,35	31,40	30
64962 A 3/4 C 3.3 1993 2 +63 °C	**Methyl 2,3-dichloropropionate** PROSYNTH® *Méthyle 2-3-dichloropropionate / Metilo 2,3-dicloropropionato* $ClCH_2CHClCOOCH_3$ $C_4H_6Cl_2O_2$ M = 157,00 g/mol **L ≈ 1,31 kg** assay (GC) ..... 97% boiling range (at 67 mbar) ..... 90–92 °C refractive index (n_D^{20}) ..... 1,450 R: 10-20/21/22 disposal: 7	FL. *2914*	5 g	26,–	22,10	20,80	19

Number OR GGVS CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
42 1	**Methyldichlorosilane** PROSYNTH® *Méthyldichlorosilane / Metildiclorosilano* CH_3SiHCl_2 CH_4Cl_2Si $M = 115{,}03$ g/mol **1 L ≈ 1,11 kg** assay (GC) ..... 99% boiling range ..... 40—44 °C refractive index (n_D^{20}) ..... 1,398 R: 11-36/37/38 S: 16-26-29 disposal: 7	FL. *2934*	100 ml	17,75	15,10	14,20	13,30
	N-Methyldiethanolamine *N-Méthyldiéthanolamine / N-Metildietanolamina* $CH_3N(CH_2CH_2OH)_2$ $C_5H_{13}NO_2$ $M = 119{,}16$ g/mol **1 L ≈ 1,04 kg** assay (GC) ..... 98,5% density (D_4^{20}) ..... 1,038—1,041 refractive index (n_D^{20}) ..... 1,4688—1,4694 R: 36/37/38 S: 26 disposal: 19	FL. EKL. *2923*	1 L 30 kg	29,50	25,10 price on request	23,60	22,70
	1-Methyl-3,4-dimercaptobenzene see Dithiol						
	Methyl dodecanate see Methyl laurate						
993 2	**Methyl enanthate** min. 99,9% for gas chromatography *Méthyle énanthate / Metilo enantato* $CH_3(CH_2)_5COOCH_3$ $C_8H_{16}O_2$ $M = 144{,}21$ g/mol **1 L ≈ 0,88 kg**	FL. *2914*	5 ml	49,25	41,85	39,40	36,95
	Methylenblue phenique see Carbol-methylene blue solution						
	3,4-Methylendioxybenzaldehyde bisulphite see Heliotropin bisulphite						
1 311 2	**N-Methyleneaminoacetonitrile** PROSYNTH® *N-Méthylèneaminoacétonitrile / N-Metilenaminoacetonitrilo* $CH_2=NCH_2CN$ $C_3H_4N_2$ $M = 68{,}08$ g/mol melting range ..... 128—130 °C	WG. *2927*	100 g	49,50	42,10	39,60	37,15
	3,3'-Methylenebis(4-hydroxycoumarin) PROSYNTH® *3-3'-Méthylènebis(4-hydroxycoumarine) / 3,3'-Metilenbis(4-hidroxicumarina)* ÇOOC$_6$H$_4$C(OH)=ÇCH$_2$Ç=C(OH)C$_6$H$_4$OÇO $C_{19}H_{12}O_6$ $M = 336{,}30$ g/mol assay (alkalimetric) ..... 98% melting range ..... 288—291 °C R: 23/24/25 S: 2-13-44 disposal: 10	WG. *2935*	25 g	44,50	37,85	35,60	33,40
	4,4'-Methylenebis(3-hydroxy-2-naphthalenecarboxylic acid) PROSYNTH® *Acide méthylène-4-4'-bis(hydroxy-3-naphtalènecarboxylique-2) / Acide 4,4'-metilenbis(3-hidroxi-2-naftalenocarboxílico)* HOOCC$_{10}$H$_5$(OH)CH$_2$C$_{10}$H$_5$(OH)COOH $C_{23}H_{16}O_6$ $M = 388{,}38$ g/mol assay (alkalimetric) ..... 98% melting range ..... 295—300 °C (disint.)	WG. *2916*	250 g	65,50	55,70	52,40	49,15

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	9 (16 B
62802 A 6.1/22 C 6.1 2811 2	**2,2'-Methylenebis(3,4,6-trichlorophenol)** PROSYNTH® *2,2'-Méthylènebis(3-4-6-trichlorophénol) / 2,2'-Metilenbis(3,4,6,-triclorofenol)* $HOC_6HCl_3CH_2C_6H(OH)Cl_3$ $C_{13}H_6Cl_6O_2$ *M* = 406,91 g/mol assay (alkalimetric) ..... 99% melting range ..... 160–163 °C R: 24/25 S: 20-37-44 disposal: 7	WG. *2907*	100 g	19,75	16,80	15,80	1
32723	**Methylene blue** redox indicator, Reag. Ph. Eur. I (C. I. No. 52015, S. No. 1038) E_0 at pH 7+0,01 volt, rH 13,5–15,5 *Bleu de méthylène / Azul de metileno* $C_{16}H_{18}ClN_3S \cdot xH_2O$ *M* = (anhydrous) 319,86 g/mol assay (ex dried substance) ..... min. 95% insoluble in ethanol ..... max. 1% loss on drying (105 °C) ..... 18–22% sulphated ash ..... max. 1%	WG. WG. *3205*	25 g 100 g	8,75 17,50	7,45 14,90	7,– 14,–	6 13
32945	**Methylene blue** concentrated watery according to Ehrlich (Ehrlich's reagent III) for microscopy *Bleu de méthylène / Azul de metileno* 1 L ≈ 1,00 kg	PF. *3819*	250 ml	14,25	12,10	11,40	10
32722	**Methylene blue** B extra (C. I. No. 52015, S. No. 1038) for microscopy *Bleu de méthylène / Azul de metileno*	WG. WG. *3205*	25 g 100 g	9,– 18,50	7,65 15,75	7,20 14,80	6 13
28515	**Methylene blue** BB extra, highly concentrated *Bleu de méthylène / Azul de metileno*	WG. WG. BL. *3205*	100 g 1 kg 5 kg	14,– 105,– 445,–	11,90 89,25 369,35	11,20 84,– 347,10	10 80 333
28514 ○	**Methylene blue** DAB 8 *Bleu de méthylène / Azul de metileno* $C_{16}H_{18}ClN_3S \cdot xH_2O$ *M* = (anhydrous) 319,86 g/mol assay (ex dried substance) ..... 96% insoluble in ethanol ..... 0,5% loss on drying (105 °C) ..... 20% sulphated ash 0,5%	WG. WG. BL. *3205*	100 g 1 kg 5 kg	13,75 103,50 439,–	11,70 88,– 364,35	11,– 82,80 342,40	10 79 329
32934 C 3.3 1142 2 +30 °C	**Methylene blue solution** according to Löffler for microscopy *Bleu de méthylène en solution / Azul de metileno en solución* 1 L ≈ 0,97 kg	PF. PF. PF. *3819*	250 ml 1 L 2,5 L	11,75 19,– 40,25	10,– 16,15 33,40	9,40 15,20 31,40	8. 14. 30.
32935	**Methylene blue solution** polychrome according to Unna (10 g/l) *Bleu de méthylène en solution / Azul de metileno en solución* 1 L ≈ 0,99 kg	FL. *3819*	250 ml	14,25	12,10	11,40	10.
	Methylene bromide see Dibromomethane						
	Methylene chloride see Dichloromethane						
62803	**N,N'-Methylenediacrylamide** PROSYNTH® *N-N'-Méthylènediacrylamide / N,N'-Metilendiacrilamida* $CH_2=CHCONHCH_2NHCOCH=CH_2$ $C_7H_{10}N_2O_2$ *M* = 154,17 g/mol assay (ex N) 98%	PF. *2925*	100 g	16,75	14,25	13,40	12.
63627	**Methylenediamine dihydrochloride** PROSYNTH® *Méthylènediamine dichlorhydrate / Metilendiamina diclorhidrato* $CH_2(NH_2)_2 \cdot 2HCl$ $CH_8Cl_2N_2$ *M* = 118,99 g/mol assay (ex Cl) 95%	WG. *2922*	10 g	41,–	34,85	32,80	30.

refer explanations

Number DR GGVS CODE (GGVSee)	Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
4,4'-Methylenedianiline see 4,4'-Diaminodiphenylmethane						
N,N'-Methylenediformamide PROSYNTH® *N-N'-Méthylènediformamide / N,N'-Metilendiformamida* $C_3H_6N_2O_2$ M = 102,09 g/mol	WG. 2925	5 g	27,75	23,60	22,20	20,80
Methylenedioxy benzaldehyde see Heliotropin						
3,4-Methylenedioxyphenol PROSYNTH® *3-4-Méthylènedioxyphénol / 3,4-Metilendioxifenol* $\underline{O}CH_2O\underline{C}_6H_3OH$ $C_7H_6O_3$ M = 138,12 g/mol assay ..... 99% melting range ..... 62—65 °C	WG. 2908	25 g	64,—	54,40	51,20	48,—
Methylene dithiocyanate PROSYNTH® *Méthylène dithiocyanate / Metileno ditiocianato* $CH_2(SCN)_2$ $C_3H_2N_2S_2$ M = 130,19 g/mol assay (ex N) ..... 98% melting range ..... 103—105 °C R: 20/21/22-32 S: 2-13 disposal: 8	WG. 2931	10 g	35,—	29,75	28,—	26,25
Methylene green for microscopy *Vert de méthylène / Verde de metileno* $C_{16}H_{17}ClN_4O_2S$ M = 364,85 g/mol	WG. 3205	50 g	58,—	49,30	46,40	43,50
Methylene iodide see Diiodomethane						
4,5-Methylenephenanthrene PROSYNTH® *4-5-Méthylènephénanthrène / 4,5-Metilenfenantreno* $C_{15}H_{10}$ M = 190,24 g/mol assay ..... 95% melting range ..... 110—113 °C	FL. 2901	1 g	84,—	71,40	67,20	63,—
N-Methylethanolamine *N-Méthyléthanolamine / N-Metiletanolamina* $CH_3NHCH_2CH_2OH$ C_3H_9NO M = 75,11 g/mol 1 L ≈ 0,94 kg assay ..... 99,5% boiling range ..... 158,5—160,0 °C density (D_4^{20}) ..... 0,939—0,942 refractive index (n_D^{20}) ..... 1,4390—1,4392 R: 36/37/38 S: 26 disposal: 19	FL. 2923	1 L	24,—	20,40	19,20	18,50
N-Methylethylenediamine PROSYNTH® *N-Méthyléthylènediamine / N-Metiletilendiamina* $NH_2CH_2CH_2NHCH_3$ $C_3H_{10}N_2$ M = 74,13 g/mol 1 L ≈ 0,86 kg assay (GC) ..... 98% boiling range ..... 115—118 °C refractive index (n_D^{20}) 1,440	FL. 2922	5 ml	24,—	20,40	19,20	18,—

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)
33407 A 3/1A C 3.2 1193 2 -4 °C	**Methyl ethyl ketone** R. G., Reag. Ph. Eur. I *Méthyléthylcétone / Metiletilcetona* $CH_3COC_2H_5$ C_4H_8O , M = 72,11 g/mol **1 L ≈ 0,80 kg** assay (GC) ..... min. 99,5 % boiling range ..... 78,5—80,5 °C density (D_4^{20}) ..... 0,804—0,806 refractive index (n_D^{20}) ..... 1,3770—1,3810 non-volatile matter ..... max. 0,001 % water (according to Karl Fischer) ..... max. 0,05 % free acid (as CH_3COOH) ..... max. 0,001 % aluminium (Al) ..... max. 0,00005 % barium (Ba) ..... max. 0,00001 % lead (Pb) ..... max. 0,00001 % boron (B) ..... max. 0,000002 % cadmium (Cd) ..... max. 0,000005 % calcium (Ca) ..... max. 0,00005 % chromium (Cr) ..... max. 0,000002 % iron (Fe) ..... max. 0,00001 % cobalt (Co) ..... max. 0,000002 % copper (Cu) ..... max. 0,000002 % magnesium (Mg) ..... max. 0,00001 % manganese (Mn) ..... max. 0,000002 % nickel (Ni) ..... max. 0,000002 % zinc (Zn) ..... max. 0,00001 % tin (Sn) ..... max. 0,00001 % $KMnO_4$ reducing substances (as O) ..... max. 0,0003 % butanol-(2) ..... max. 0,05 % R: 11 S: 9-16-23-33 disposal: 5	FL. FL. EKL. *2913*	1 L 2,5 L 20 kg	22,50 47,50 kg	19,15 39,45 6,—	18,— 37,05
34861 A 3/1A C 3.2 1193 2 -4 °C	**Methyl ethyl ketone** CHROMASOLV® for chromatography (UV-detection) *Méthyléthylcétone / Metiletilcetona* $CH_3COC_2H_5$ C_4H_8O M = 72,11 g/mol **1 L ≈ 0,80 kg** assay (GC) ..... min. 99,7 % non-volatile matter ..... max. 0,001 % water (according to Karl Fischer) ..... max. 0,2 % free acid (as CH_3COOH) ..... max. 0,001 % transmittance (1 cm cell; reference water) transmittance/wavelength (nm): min. 20 %/330, min. 50 %/335, min. 80 %/340, min. 98 %/from 350 R: 11 S: 9-16-23-33 disposal: 5	FL. *2913*	1 L	22,50	19,15	18,—
30813 A 3/1A C 3.2 1193 2 -4 °C	**Methyl ethyl ketone** min. 99,9 % for gas chromatography *Méthyléthylcétone / Metiletilcetona* $CH_3COC_2H_5$ C_4H_8O M = 72,11 g/mol **1 L ≈ 0,80 kg** R: 11 S: 9-16-23-33 disposal: 5	FL. *2913*	5 ml	49,25	41,85	39,40
24230 A 3/1A C 3.2 1193 2 - 4 °C	**Methyl ethyl ketone** chem. pure *Méthyléthylcétone / Metiletilcetona* $CH_3COC_2H_5$ C_4H_8O M = 72,11 g/mol **1 L ≈ 0,80 kg** assay (GC) ..... 99 % boiling range ..... 78,5—80,5 °C density (D_4^{20}) ..... 0,804—0,806 refractive index (n_D^{20}) ..... 1,3770—1,3810 non-volatile matter ..... 0,002 % water (according to Karl Fischer) ..... 0,2 % R: 11 S: 9-16-23-33 disposal: 5	FL. FL. EKL. EKL. EKL. EKL. F. *2913*	1 L 2,5 L 20 kg 5x 10x 20x 160 kg	17,75 36,25 kg kg kg kg kg	15,10 30,10 5,70 5,20 4,95 4,75 4,40	14,20 28,30

refer explanations

Number DR /GGVS -CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	Methyl 2-fluorobenzoate PROSYNTH® *Méthyle fluoro-2-benzoate / Metilo 2-fluorobenzoato* $FC_6H_4COOCH_3$ $C_8H_7FO_2$ $M = 154{,}14$ g/mol **1 L ≈ 1,20 kg** assay (GC) ..... 99% boiling range ..... 195–197 °C	FL. *2914*	100 ml	75,–	63,75	60,–	56,25
	Methyl 4-fluorobenzoate PROSYNTH® *Méthyle fluoro-4-benzoate / Metilo 4-fluorobenzoato* $FC_6H_4COOCH_3$ $C_8H_7FO_2$ $M = 154{,}14$ g/mol **1 L ≈ 1,17 kg** assay (GC) ..... 98% boiling range ..... 195–197 °C	FL. *2914*	250 ml	169,–	143,65	135,20	126,75
5	**5-Methyl 4-fluoroglutamate** PROSYNTH® *5-Méthyle 4-fluoroglutamate / 5-Metilo 4-fluoroglutaminato* $CH_3OCOCH(F)CH_2CH(NH_2)COOH$ $C_6H_{10}FNO_4$ $M = 179{,}15$ g/mol assay ..... 99% melting range ..... 160–162 °C	FL. *2923*	1 g	356,–	302,60	284,80	267,–
5 A 60 2	**Methyl fluorosulphonate** PROSYNTH® *Méthyle fluorosulfonate / Metilo fluorosulfonato* FSO_2OCH_3 CH_3FO_3S $M = 114{,}10$ g/mol **1 L ≈ 1,42 kg** assay (GC) ..... 97% boiling range ..... 92–94 °C refractive index (n_D^{20}) ..... 1,333 R: 34 S: 26 disposal: 7	A. *2921*	10 ml	25,–	21,25	20,–	18,75
4	**N-Methylformamide** PROSYNTH® *N-Méthylformamide / N-Metilformamida* $HCONHCH_3$ C_2H_5NO $M = 59{,}07$ g/mol **1 L ≈ 1,01 kg** assay (GC) ..... 99% boiling range ..... 199–201 °C refractive index (n_D^{20}) 1,432	FL. *2925*	100 ml	9,75	8,30	7,80	7,30
5	**N-Methylformanilide** PROSYNTH® *N-Méthylformanilide / N-Metilformanilida* $HCON(CH_3)C_6H_5$ C_8H_9NO $M = 135{,}17$ g/mol **1 L ≈ 1,10 kg** assay (GC) ..... 99% boiling range ..... 242–244 °C refractive index (n_D^{20}) 1,560	FL. *2925*	100 ml	13,75	11,70	11,–	10,30
9 A 1243 1	**Methyl formate** *Méthyle formiate / Metilo formiato* $HCOOCH_3$ $C_2H_4O_2$ $M = 60{,}05$ g/mol **1 L ≈ 0,98 kg** boiling range ..... 31–33 °C density (D_4^{20}) ..... 0,969–0,972 refractive index (n_D^{20}) ..... 1,3430–1,3450 R: 11 S: 9-16-33 disposal: 6	FL. EKL. *2914*	1 L 25 kg	13,50 price on request	11,50	10,80	10,40
	4-Methyl-1-formylbenzene see 4-Methylbenzaldehyde						
6 A 2301 2	**2-Methylfuran** PROSYNTH® *2-Méthylfuranne / 2-Metilfurano* $OCH=CHCH=CCH_3$ C_5H_6O $M = 82{,}10$ g/mol **1 L ≈ 0,91 kg** assay (GC) ..... 99% boiling range ..... 64–66 °C refractive index (n_D^{20}) ..... 1,434 R: 11 S: 9-16-33 disposal: 6	FL. *2935*	500 ml	34,–	28,90	27,20	26,20

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63632	**2-Methylglutaric acid** PROSYNTH® *Acide 2-méthylglutarique / Acido 2-metilglutárico* $HOOCCH_2CH_2CH(CH_3)COOH$ $C_6H_{10}O_4$ $M = 146{,}14$ g/mol assay (alkalimetric) ..... 99% melting range ..... 76–78 °C	WG. *2915*	10 g	37,75	32,10	30,20	
39087	**Methyl glycinate hydrochloride** BIOSYNTH® *Méthyle glycinate chlorhydrate / Metilo glicinato clorhidrato* $NH_2CH_2COOCH_3 \cdot HCl$ $C_3H_8ClNO_2$ $M = 125{,}55$ g/mol assay (ex N) ..... 97% keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	PF. *2923*	100 g	65,50	55,70	52,40	
	Methylglycol see Ethylene glycol monomethyl ether						
61028 A 6.1/62 C 6.1 2810 3	**Methyl glycol tetrafluoroethyl ether** PROSYNTH® *Méthylglycol tétrafluoréthyléther / Metilglicol tetrafluoroetileter* $HCF_2CF_2OCH_2CH_2OCH_3$ $C_5H_8F_4O_2$ $M = 176{,}11$ g/mol **1 L ≈ 1,27 kg** assay ..... 98% R: 36/37/38 S: 26 disposal: 7	FL. *2908*	100 ml	105,—	89,25	84,—	
32746	**Methyl green** for microscopy *Vert de méthyle / Verde de metilo* $C_{26}H_{33}Cl_2N_3$ $M = 458{,}47$ g/mol	WG. *3205*	10 g	24,—	20,40	19,20	
63989	**4-Methylheptadiene-(1,6)-ol-(4)** PROSYNTH® *4-Méthylheptadiène-(1-6)-ol-(4) / 4-Metilheptadieno-(1,6)-ol-(4)* $(CH_2=CHCH_2)_2C(CH_3)OH$ $C_8H_{14}O$ $M = 126{,}20$ g/mol **1 L ≈ 0,86 kg** assay (GC) ..... 97% boiling range ..... 155–157 °C	FL. *2904*	10 ml	50,50	42,95	40,40	
63634 A 3/3 C 3.3 1987 2 +42 °C	**2-Methyl-2-heptanol** PROSYNTH® *2-Méthylheptanol-(2) / 2-Metilheptanol-(2)* $CH_3(CH_2)_4C(CH_3)_2OH$ $C_8H_{18}O$ $M = 130{,}23$ g/mol **1 L ≈ 0,81 kg** assay (GC) ..... 99% boiling range ..... 154–156 °C refractive index (n_D^{20}) ..... 1,424 R: 10 disposal: 6	FL. *2904*	50 ml	71,50	60,80	57,20	
63635 A 3/3 C 3.3 1987 2 +43 °C	**2-Methyl-3-heptanol** PROSYNTH® *2-Méthylheptanol-(3) / 2-Metilheptanol-(3)* $CH_3(CH_2)_3CH(OH)CH(CH_3)_2$ $C_8H_{18}O$ $M = 130{,}23$ g/mol **1 L ≈ 0,82 kg** assay (GC) ..... 92% R: 10 disposal: 6	FL. *2904*	50 ml	80,50	68,45	64,40	
63884 A 3/3 C 3.3 1987 2 +50 °C	**2-Methyl-4-heptanol** PROSYNTH® *2-Méthylheptanol-(4) / 2-Metilheptanol-(4)* $CH_3CH(CH_3)CH_2CH(OH)CH_2CH_2CH_3$ $C_8H_{18}O$ $M = 130{,}23$ g/mol **1 L ≈ 0,82 kg** assay (GC) ..... 98% boiling range ..... 164–166 °C refractive index (n_D^{20}) ..... 1,422 R: 10 disposal: 6	FL. *2904*	5 ml	23,75	20,20	19,—	

refer explanations

Number DR /GGVS -CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
987 2	**5-Methyl-3-heptanol** PROSYNTH® *5-Méthylheptanol-(3) / 5-Metilheptanol-(3)* $CH_3CH_2CH(CH_3)CH_2CH(OH)CH_2CH_3$ $C_8H_{18}O$ $M = 130{,}23$ g/mol **1 L ≈ 0,83 kg** assay (GC) ..... 97% boiling range ..... 160—163 °C refractive index (n_D^{20}) ..... 1,423 R: 10 disposal: 6	FL. 2904	250 ml	32,25	27,40	25,80	24,20
987 2	**6-Methyl-2-heptanol** PROSYNTH® *6-Méthylheptanol-(2) / 6-Metilheptanol-(2)* $(CH_3)_2CH(CH_2)_3CH(OH)CH_3$ $C_8H_{18}O$ $M = 130{,}23$ g/mol **1 L ≈ 0,81 kg** assay (GC) ..... 97% boiling range ..... 171—173 °C refractive index (n_D^{20}) ..... 1,423 R: 10 disposal: 6	FL. 2904	25 ml	17,—	14,45	13,60	12,75
987 2	**6-Methyl-3-heptanol** PROSYNTH® *6-Méthylheptanol-(3) / 6-Metilheptanol-(3)* $CH_3CH_2CH(OH)CH_2CH_2CH(CH_3)CH_3$ $C_8H_{18}O$ $M = 130{,}23$ g/mol **1 L ≈ 0,81 kg** assay (GC) ..... 97% R: 10 disposal: 6	FL. 2904	5 ml	13,25	11,25	10,60	9,95
993 2	**2-Methyl-3-heptanone** PROSYNTH® *2-Méthylheptanone-(3) / 2-Metilheptanona-(3)* $CH_3(CH_2)_3COCH(CH_3)CH_3$ $C_8H_{16}O$ $M = 128{,}21$ g/mol **1 L ≈ 0,81 kg** assay (GC) ..... 95% boiling range ..... 154—157 °C refractive index (n_D^{20}) ..... 1,511 R: 10-36/37 S: 23 disposal: 6	FL. 2913	25 ml	38,—	32,30	30,40	28,50
224 2	**5-Methyl-3-heptanone** PROSYNTH® *5-Méthylheptanone-(3) / 5-Metilheptanona-(3)* $CH_3CH_2CH(CH_3)CH_2COCH_2CH_3$ $C_8H_{16}O$ $M = 128{,}21$ g/mol **1 L ≈ 0,82 kg** assay (GC) ..... 98% boiling range ..... 157—160 °C refractive index (n_D^{20}) ..... 1,415 R: 10-36/37 S: 23 disposal: 6	FL. 2913	1 L	27,—	22,95	21,60	20,80
	1-Methylheptylamine see 2-Aminooctane						
	Methylhexaline see Methylcyclohexanol						
993 2	**3-Methylhexane** PROSYNTH® *3-Méthylhexane / 3-Metilhexano* $CH_3CH_2CH_2CH(CH_3)CH_2CH_3$ C_7H_{16} $M = 100{,}20$ g/mol **1 L ≈ 0,68 kg** assay (GC) ..... 99% boiling range ..... 90—92 °C refractive index (n_D^{20}) ..... 1,389 R: 11 S: 9-16-33 disposal: 6	FL. 2901	25 ml	107,50	91,40	86,—	80,65
993 2	**Methyl hexanoate** min. 99,9% for gas chromatography *Méthyle hexanoate / Metilo hexanoato* $CH_3(CH_2)_4COOCH_3$ $C_7H_{14}O_2$ $M = 130{,}19$ g/mol **1 L ≈ 0,89 kg** R: 10 disposal: 6	FL. 2914	5 ml	49,25	41,85	39,40	36,95

PANPEHA® universal indicator paper in strips

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	(1
64622 A 3/3 C 3.3 1993 2 +43 °C	**Methyl hexanoate** PROSYNTH® *Méthyle hexanoate / Metilo hexanoato* $CH_3(CH_2)_4COOCH_3$ $C_7H_{14}O_2$ M = 130,19 g/mol **1 L ≈ 0,88 kg** assay (GC) ..... 99 % boiling range ..... 149 – 151 °C refractive index (n_D^{20}) 1,405	FL. *2914*	100 ml	23,–	19,55	18,40	
63639 A 3/3 C 3.3 1987 2 +44 °C	**2-Methyl-2-hexanol** PROSYNTH® *2-Méthylhexanol-(2) / 2-Metilhexanol-(2)* $CH_3(CH_2)_3C(CH_3)_2OH$ $C_7H_{16}O$ M = 116,20 g/mol **1 L ≈ 0,81 kg** assay (GC) ..... 98 % boiling range ..... 141 – 143 °C refractive index (n_D^{20}) ..... 1,418 R: 10 disposal: 6	FL. *2904*	25 ml	72,–	61,20	57,60	
63640 A 3/3 C 3.3 1987 2 +45 °C	**2-Methyl-3-hexanol** PROSYNTH® *2-Méthylhexanol-(3) / 2-Metilhexanol-(3)* $CH_3CH_2CH_2CH(OH)CH(CH_3)_2$ $C_7H_{16}O$ M = 116,20 g/mol **1 L ≈ 0,83 kg** assay (GC) ..... 96 % boiling range ..... 139 – 141 °C refractive index (n_D^{20}) ..... 1,421 R: 10 disposal: 6	FL. *2904*	25 ml	43,75	37,20	35,–	
65003 A 3/4 C 3.3 1987 2 +58 °C	**3-Methyl-2-hexanol** PROSYNTH® *3-Méthylhexanol-(2) / 3-Metilhexanol-(2)* $CH_3CH_2CH_2CH(CH_3)CH(OH)CH_3$ $C_7H_{16}O$ M = 116,20 g/mol **1 L ≈ 0,83 kg** assay (GC) ..... 98 % boiling range (at 87 mbar) ..... 84 – 86 °C refractive index (n_D^{20}) ..... 1,424 R: 10 disposal: 6	FL. *2904*	10 ml	36,–	30,60	28,80	
63641 A 3/3 C 3.3 1987 2 +43 °C	**3-Methyl-3-hexanol** PROSYNTH® *3-Méthylhexanol-(3) / 3-Metilhexanol-(3)* $CH_3CH_2CH_2C(OH)(CH_3)CH_2CH_3$ $C_7H_{16}O$ M = 116,20 g/mol **1 L ≈ 0,82 kg** assay (GC) ..... 98 % boiling range ..... 141 – 143 °C refractive index (n_D^{20}) ..... 1,422 R: 10 disposal: 6	FL. *2904*	25 ml	23,50	20,–	18,80	
63643 A 3/3 C 3.3 1987 2 +30 °C	**5-Methyl-2-hexanol** PROSYNTH® *5-Méthylhexanol-(2) / 5-Metilhexanol-(2)* $CH_3CH(CH_3)CH_2CH_2CH(OH)CH_3$ $C_7H_{16}O$ M = 116,20 g/mol **1 L ≈ 0,81 kg** assay (GC) ..... 98 % boiling index (at 37 mbar) ..... 76 – 78 °C refractive index (n_D^{20}) ..... 1,418 R: 10 disposal: 6	FL. *2904*	25 ml	50,50	42,95	40,40	
	2-Methylhexanone-(4) see Ethyl-*iso*-butyl ketone						
62808 A 3/3 C 3.3 2302 3 +43 °C	**5-Methylhexanone-(2)** PROSYNTH® *5-Méthylhexanone-(2) / 5-Metilhexanona-(2)* $(CH_3)_2CHCH_2CH_2COCH_3$ $C_7H_{14}O$ M = 114,19 g/mol **1 L ≈ 0,82 kg** assay (GC) ..... 98 % boiling range ..... 142 – 144 °C refractive index (n_D^{20}) ..... 1,407 R: 10 S: 23 disposal: 6	FL. *2913*	1 L	23,25	19,75	18,60	

Number ADR E/GGVS G-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	Methylhexylcarbinol see Octanol-(2)						
	Methyl hexyl ketone see Octanone-(2)						
	Methyl L-histidinate dihydrochloride BIOSYNTH® *Méthyle L-histidinate dichlorhydrate / Metilo L-histidinato diclorhidrato* $NHCH=NCH=CCH_2CH(NH_2)COOCH_3 \cdot 2HCl$ $C_7H_{13}Cl_2N_3O_2$ $M = 242{,}10$ g/mol assay (ex Cl) ..... 99% keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	WG. 2935	10 g	42,75	36,35	34,20	32,05
	1-Methylhydantoin-2-imide see Creatinine						
244 1	**Methylhydrazine** PROSYNTH® *Méthylhydrazine / Metilhidracina* CH_3NHNH_2 CH_6N_2 $M = 46{,}07$ g/mol **1 L ≈ 0,88 kg** assay (GC) ..... 98% boiling range (at 980 mbar) ..... 85—87 °C refractive index (n_D^{20}) ..... 1,433 R: 11-23/24/25 S: 16-27-44 disposal: 20	FL. 2929	25 ml	26,50	22,55	21,20	19,90
	2-Methylhydroquinone see 2,5-Dihydroxytoluene						
	Methyl 3-hydroxybenzoate PROSYNTH® *Méthyle 3-hydroxybenzoate / Metilo 3-hidroxibenzoato* $HOC_6H_4COOCH_3$ $C_8H_8O_3$ $M = 152{,}15$ g/mol assay (HPLC) ..... 99% melting range ..... 70—72 °C	WG. 2916	25 g	47,—	39,95	37,60	35,25
	Methyl 4-hydroxybenzoate PROSYNTH® *Méthyle 4-hydroxybenzoate / Metilo 4-hidroxibenzoato* $HOC_6H_4COOCH_3$ $C_8H_8O_3$ $M = 152{,}15$ g/mol assay (HPLC) ..... 99% melting range ..... 125—128 °C	PF. 2916	250 g	19,25	16,35	15,40	14,45
	1-Methylimidazole PROSYNTH® *Méthyl-1-imidazole / 1-Metilimidazol* $CH_3NCH=NCH=CH$ $C_4H_6N_2$ $M = 82{,}10$ g/mol **1 L ≈ 1,04 kg** assay (GC) ..... 99% boiling range ..... 196—198 °C refractive index (n_D^{20}) 1,495	FL. 2935	100 ml	32,75	27,85	26,20	24,55
	2-Methylimidazole PROSYNTH® *Méthyl-2-imidazole / 2-Metilimidazol* $HNCH=CHN=CCH_3$ $C_4H_6N_2$ $M = 82{,}10$ g/mol assay (GC) ..... 98% melting range ..... 138—140 °C	WG. 2935	50 g	28,75	24,45	23,—	21,55
	2-Methyl-D_2-imidazoline see Lysidine						
	1-Methyl-2-iminohydantoin see Creatinine						
	1-Methylindole PROSYNTH® *Méthyl-1-indole / 1-Metilindol* $C_6H_4N(CH_3)CH=CH$ C_9H_9N $M = 131{,}18$ g/mol **1 L ≈ 1,03 kg** assay (GC) ..... 97% boiling range (at 25 mbar) ..... 126—128 °C refractive index (n_D^{20}) 1,608	WG. 2935	10 g	119,—	101,15	95,20	89,25

PEHANAL® universal indicator paper in rolls

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	
64706	**2-Methylindole** PROSYNTH® *Méthyl-2-indole / 2-Metilindol* $C_6H_4NHC(CH_3)=CH$ C_9H_9N M = 131,18 g/mol assay (GC) ..... 99% melting range ..... 57–59 °C	PF. *2935*	50 g	25,25	21,45	20,20	1
62810	**3-Methylindole** PROSYNTH® *Méthyl-3-indole / 3-Metilindol* $C_6H_4NHCH=CCH_3$ C_9H_9N M = 131,18 g/mol assay (GC) ..... 99% melting range ..... 95–97 °C	WG. *2935*	10 g	23,–	19,55	18,40	1
09023 A 6.1/12 C 6.1 2810 2	**Methyl iodide-d_3** deuteration degree not less than 99 atom % D *Méthyle iodure-d_3 / Metilo yoduro-d_3* CD_3J M = 144,92 g/mol 1 L ≈ 2,30 kg R: 23/24/25-34 S: 26-44 disposal: 13	A. *2851*	5 ml	151,–	128,35	120,80	11
	Methyl iodide see Iodomethane						
65042 A 3/5 C 3.2 1993 2 +18 °C	**5-Methylisoxazole** PROSYNTH® *5-Méthylisoxazole / 5-Metilisoxazol* $ON=CHCH=CCH_3$ C_4H_5NO M = 83,09 g/mol 1 L ≈ 1,02 kg assay (GC) ..... 97% boiling range ..... 120–122 °C refractive index (n_D^{20}) ..... 1,438 R: 11 S: 7-16 disposal: 6	FL. *2935*	10 ml	22,25	18,90	17,80	1
30809	**Methyl laurate** min. 99,9% for gas chromatography *Méthyle laurate / Metilo laurato* $CH_3(CH_2)_{10}COOCH_3$ $C_{13}H_{26}O_2$ M = 214,35 g/mol 1 L ≈ 0,87 kg	FL. *2914*	5 ml	49,25	41,85	39,40	3
63647	**Methyl laurate** PROSYNTH® *Méthyle laurate / Metilo laurato* $CH_3(CH_2)_{10}COOCH_3$ $C_{13}H_{26}O_2$ M = 214,35 g/mol 1 L ≈ 0,87 kg assay (GC) ..... 99% boiling range (at 20 mbar) ..... 139–141 °C refractive index (n_D^{20}) 1,432	FL. *2914*	50 ml	13,75	11,70	11,–	1
30812	**Methyl linoleate** min. 99,9% for gas chromatography *Méthyle linoléate / Metilo linoleato* $CH_3(CH_2)_3(CH_2CH=CH)_2(CH_2)_7COOCH_3$ $C_{19}H_{34}O_2$ M = 294,48 g/mol 1 L ≈ 0,89 kg	FL. *2914*	5 ml	60,–	51,–	48,–	4
63648	**Methyl linoleate** PROSYNTH® *Méthyle linoléate / Metilo linoleato* $CH_3(CH_2)_3(CH_2CH=CH)_2(CH_2)_7COOCH_3$ $C_{19}H_{34}O_2$ M = 294,48 g/mol 1 L ≈ 0,89 kg assay (GC) ..... 98% boiling range (at 27 mbar) ..... 213–215 °C refractive index (n_D^{20}) 1,462	FL. *2914*	50 ml	177,–	150,45	141,60	13
65043	**Methylmalonic acid** PROSYNTH® *Acide méthylmalonique / Acido metilmalónico* $CH_3CH(COOH)_2$ $C_4H_6O_4$ M = 118,09 g/mol assay (alkalimetric) ..... 99% melting range ..... 128–130 °C	WG. *2915*	10 g	54,50	46,35	43,60	4
	Methyl malonic acid diethyl ester see Diethyl methylmalonate						

umber R GGVS ODE (GGVSee)	Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
Methyl mercaptoacetate see Methyl thioglycollate						
Methyl methacrylate PROSYNTH® stabilized with hydroquinone (25 mg/l) 3 2 *Méthyle méthacrylate / Metilo metacrilato* $CH_2=C(CH_3)COOCH_3$ $C_5H_8O_2$ M = 100,12 g/mol **1 L ≈ 0,94 kg** assay (GC) ..... 99% boiling range ..... 100–102 °C refractive index (n_D^{20}) ..... 1,415 R: 11-36/37/38 S: 9-16-29-33 disposal: 6	FL. *2914*	1 L	22,50	19,15	18,–	17,35
Methyl L-methioninate hydrochloride BIOSYNTH® *Méthyle L-méthioninate chlorhydrate / Metilo L-metioninato clorhidrato* $CH_3SCH_2CH_2CH(NH_2)COOCH_3 \cdot HCl$ $C_6H_{14}ClNO_2S$ M = 199,70 g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	WG. *2931*	5 g	30,25	25,70	24,20	22,70
Methyl 2-methoxybenzoate PROSYNTH® *Méthyle méthoxy-2-benzoate / Metilo 2-metoxibenzoato* $CH_3OC_6H_4COOCH_3$ $C_9H_{10}O_3$ M = 166,18 g/mol **1 L ≈ 1,16 kg** assay (GC) ..... 99% boiling range ..... 243–245 °C refractive index (n_D^{20}) 1,534	FL. *2916*	100 ml	66,50	56,55	53,20	49,90
Methyl 3-methylbenzoate PROSYNTH® *Méthyle méthyl-3-benzoate / Metilo 3-metilbenzoato* $CH_3C_6H_4COOCH_3$ $C_9H_{10}O_2$ M = 150,18 g/mol **1 L ≈ 1,06 kg** assay (GC) ..... 99% boiling range (at 36 mbar) ..... 111–113 °C	FL. *2914*	250 ml	134,50	114,35	107,60	100,90
Methyl 3-methylbutenate-2 PROSYNTH® *Méthyle méthyl-3-butenate-2 / Metil 3-metilbutenato-2* $(CH_3)_2C=CHCOOCH_3$ $C_6H_{10}O_2$ M = 114,14 g/mol **1 L ≈ 0,95 kg** boiling range ..... 135–138 °C	FL. *2914*	100 ml	price on request			
7-Methyl-3-methylene-1,6-octadiene PROSYNTH® *7-Méthyl-3-méthylèneoctadiène-(1-6) / 7-Metil-3-metilenoctadieno-(1,6)* $H_2C=CHC(=CH_2)CH_2CH_2CH=C(CH_3)_2$ $C_{10}H_{16}$ M = 136,24 g/mol **1 L ≈ 0,80 kg** assay (GC) 75–80%	FL. *2901*	250 ml	28,75	24,45	23,–	21,55
Methyl methylthiomethyl sulphoxide PROSYNTH® *Méthylméthylthiométhyle sulfoxyde / Metilmetiltiometilo sulfóxido* $CH_3SOCH_2SCH_3$ $C_3H_8OS_2$ M = 124,23 g/mol **1 L ≈ 1,22 kg** assay (GC) ..... 99% boiling range ..... 223–225 °C refractive index (n_D^{20}) 1,553	FL. *2931*	25 ml	91,50	77,80	73,20	68,65
N-Methylmorpholine PROSYNTH® 35 2 *N-Méthylmorpholine / N-Metilmorfolina* $CH_3NCH_2CH_2OCH_2CH_2$ $C_5H_{11}NO$ M = 101,15 g/mol **1 L ≈ 0,92 kg** assay (GC) ..... 99% boiling range ..... 116–118 °C refractive index (n_D^{20}) 1,433	FL. *2935*	250 ml	23,–	19,55	18,40	17,25

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	9 (16 B
30811	**Methyl myristate** min. 99,9% for gas chromatography *Méthyle myristate / Metilo miristato* $CH_3(CH_2)_{12}COOCH_3$ $C_{15}H_{30}O_2$ $M = 242{,}40$ g/mol **1 L ≈ 0,87 kg**	FL. *2914*	5 ml	49,25	41,85	39,40	3
	α-Methylnaphthalene see 1-Methylnaphthalene						
	β-Methylnaphthalene see 2-Methylnaphthalene						
62812 A 3/4 +78 °C	**1-Methylnaphthalene** PROSYNTH® *1-Méthylnaphtalène / 1-Metilnaftaleno* $CH_3C_{10}H_7$ $C_{11}H_{10}$ $M = 142{,}20$ g/mol **1 L ≈ 1,02 kg** assay (GC) ..... 98% boiling range ..... 242—244 °C refractive index (n_D^{20}) 1,616	FL. *2901*	1 L	99,50	84,60	79,60	7
62813	**2-Methylnaphthalene** PROSYNTH® *2-Méthylnaphtalène / 2-Metilnaftaleno* $CH_3C_{10}H_7$ $C_{11}H_{10}$ $M = 142{,}20$ g/mol assay (GC) ..... 99% melting range ..... 33—35 °C	FL. *2901*	500 g	31,25	26,55	25,—	2
39409	**2-Methyl-1,4-naphthoquinone** BIOSYNTH® *Méthyl-2-naphtoquinone-1-4 / 2-Metil-1,4-naftoquinona* $C_6H_4COC(CH_3)=CHCO$ $C_{11}H_8O_2$ $M = 172{,}19$ g/mol R: 20/21/22 S: 28 disposal: 6	WG. *2913*	100 g	100,50	85,45	80,40	7
	Methyl naphthyl-(1)-acetate see Naphthyl-(1)-acetic acid methyl ester						
64099	**Methylnaphthylcarbinol-(1)** PROSYNTH® *Méthylnaphtylcarbinol-(1) / Metilnaftilcarbinol-(1)* $C_{10}H_7CH(OH)CH_3$ $C_{12}H_{12}O$ $M = 172{,}23$ g/mol **1 L ≈ 1,06 kg** assay (GC) ..... 72% melting range ..... 51—53 °C	FL. *2905*	25 ml	31,25	26,55	25,—	2
64100	**Methylnaphthylcarbinol-(2)** PROSYNTH® *Méthylnaphtylcarbinol-(2) / Metilnaftilcarbinol-(2)* $C_{10}H_7CH(OH)CH_3$ $C_{12}H_{12}O$ $M = 172{,}23$ g/mol assay (GC) ..... 90% melting range ..... 63—65 °C	WG. *2905*	25 g	34,50	29,35	27,60	2
	Methyl-[naphthyl-(2)]-ketone see 2-Acetylnaphthalene						
63649	**Methyl nicotinate** PROSYNTH® *Méthyle nicotinate / Metilo nicotinato* $CH=CHCH=NCH=CCOOCH_3$ $C_7H_7NO_2$ $M = 137{,}14$ g/mol assay (GC) ..... 98% melting range ..... 38—41 °C	WG. *2935*	100 g	49,50	42,10	39,60	3
64408 A 6.1/21L C 6.1 2811 2	**2-Methyl-3-nitroaniline** PROSYNTH® *2-Méthyl-3-nitroaniline / 2-Metil-3-nitroanilina* $NH_2C_6H_3(NO_2)CH_3$ $C_7H_8N_2O_2$ $M = 152{,}15$ g/mol assay ..... 98% melting range ..... 89—92 °C R: 23/24/25-33 S: 28-36/37-44 disposal: 20	WG. *2922*	25 g	23,25	19,75	18,60	1

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Number DR /GGVS -CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
F 11 2	**2-Methyl-4-nitroaniline** PROSYNTH® *2-Méthyl-4-nitroaniline / 2-Metil-4-nitroanilina* $NH_2C_6H_3(NO_2)CH_3$ $C_7H_8N_2O_2$ M = 152,15 g/mol assay (GC) ..... 98% melting range ..... 130—132 °C R: 23/24/25-33 S: 28-36/37-44 disposal: 20	WG. 2922	100 g	19,25	16,35	15,40	14,45
1F 811 2	**2-Methyl-5-nitroaniline** PROSYNTH® *2-Méthyl-5-nitroaniline / 2-Metil-5-nitroanilina* $NH_2C_6H_3(NO_2)CH_3$ $C_7H_8N_2O_2$ M = 152,15 g/mol assay (GC) ..... 98% melting range ..... 103—105 °C R: 23/24/25-33 S: 28-36/37-44 disposal: 20	WG. 2922	500 g	40,75	34,65	32,60	31,40
1F 811 2	**2-Methyl-6-nitroaniline** PROSYNTH® *2-Méthyl-6-nitroaniline / 2-Metil-6-nitroanilina* $NH_2C_6H_3(NO_2)CH_3$ $C_7H_8N_2O_2$ M = 152,15 g/mol assay (GC) ..... 98% melting range ..... 93—95 °C R: 23/24/25-33 S: 28-36/37-44 disposal: 20	WG. 2922	100 g	83,50	71,—	66,80	62,65
1F 811 2	**4-Methyl-2-nitroaniline** PROSYNTH® *4-Méthyl-2-nitroaniline / ˜-Metil-2-nitroanilina* $CH_3C_6H_3(NO_2)NH_2$ $C_7H_8N_2O_2$ M = 152,15 g/mol assay (GC) ..... 97% melting range ..... 114—116 °C R: 23/24/25-33 S: 28-36/37-44 disposal: 20	WG. 2922	250 g	35,50	30,20	28,40	26,65
1F 811 2	**4-Methyl-3-nitroaniline** PROSYNTH® *4-Méthyl-3-nitroaniline / 4-Metil-3-nitroanilina* $CH_3C_6H_3(NO_2)NH_2$ $C_7H_8N_2O_2$ M = 152,15 g/mol assay (GC) ..... 97% melting range ..... 76—78 °C R: 23/24/25-33 S: 28-36/37-44 disposal: 20	WG. 2922	250 g	23,—	19,55	18,40	17,25
1F 811 2	**5-Methyl-2-nitroaniline** PROSYNTH® *5-Méthyl-2-nitroaniline / 5-Metil-2-nitroanilina* $CH_3C_6H_3(NO_2)NH_2$ $C_7H_8N_2O_2$ M = 152,15 g/mol assay (GC) ..... 95% melting range ..... 108—110 °C R: 23/24/25-33 S: 28-36/37-44 disposal: 20	WG. 2922	10 g	69,—	58,65	55,20	51,75
1	**Methyl N^{ω}-nitro-L-argininate hydrochloride** BIOSYNTH® *Méthyle N^{ω}-nitro-L-argininate chlorhydrate / Metilo N^{ω}-nitro-L-argininato clorhidrato* $HN=C(NHNO_2)NH(CH_2)_3CH(NH_2)COOCH_3 \cdot HCl$ $C_7H_{16}ClN_5O_4$ M = 269,69 g/mol	WG. 2923	5 g	28,50	24,25	22,80	21,40

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	9 (16 B
65044	**2-Methyl-3-nitrobenzoic acid** PROSYNTH® *Acide 2-méthyl-3-nitrobenzoïque / Acido 2-metil-3-nitrobenzóico* $CH_3C_6H_3(NO_2)COOH$ $C_8H_7NO_4$ $M = 181{,}15$ g/mol assay (alkalimetric) ..... 99% melting range ..... 182–185 °C	WG. *2914*	100 g	36,–	30,60	28,80	2
65045	**3-Methyl-2-nitrobenzoic acid** PROSYNTH® *Acide 3-méthyl-2-nitrobenzoïque / Acido 3-metil-2-nitrobenzóico* $CH_3C_6H_3(NO_2)COOH$ $C_8H_7NO_4$ $M = 181{,}15$ g/mol assay (alkalimetric) ..... 98% melting range ..... 219–222 °C	WG. *2914*	25 g	28,50	24,25	22,80	2
63891	**3-Methyl-4-nitrobenzoic acid** PROSYNTH® *Acide 3-méthyl-4-nitrobenzoïque / Acido 3-metil-4-nitrobenzóico* $CH_3C_6H_3(NO_2)COOH$ $C_8H_7NO_4$ $M = 181{,}15$ g/mol assay (alkalimetric) ..... 99% melting range ..... 216–218 °C	WG. *2914*	100 g	31,75	27,–	25,40	2
62818	**4-Methyl-3-nitrobenzoic acid** PROSYNTH® *Acide 4-méthyl-3-nitrobenzoïque / Acido 4-metil-3-nitrobenzóico* $CH_3C_6H_3(NO_2)COOH$ $C_8H_7NO_4$ $M = 181{,}15$ g/mol assay (alkalimetric) ..... 99% melting range ..... 188–190 °C	PF. *2914*	100 g	47,–	39,95	37,60	3
63892	**5-Methyl-2-nitrobenzoic acid** PROSYNTH® *Acide 5-méthyl-2-nitrobenzoïque / Acido 5-metil-2-nitrobenzóico* $CH_3C_6H_3(NO_2)COOH$ $C_8H_7NO_4$ $M = 181{,}15$ g/mol assay (alkalimetric) ..... 98% melting range ..... 133–135 °C	WG. *2914*	100 g	28,75	24,45	23,–	2
64106	**2-Methyl-5-nitroimidazole** PROSYNTH® *2-Méthyl-5-nitroimidazole / 2-Metil-5-nitroimidazol* $HNC(NO_2)=CHN=C(CH_3)$ $C_4H_5N_3O_2$ $M = 127{,}10$ g/mol assay (HPLC) ..... 99% melting range ..... 252–254 °C	WG. *2935*	25 g	22,–	18,70	17,60	1
62819 A 6.1/21 C 6.1 2811 2	**N-Methyl-N-nitroso-p-toluenesulphonamide** PROSYNTH® for preparation of diazomethane *N-Méthyl-N-nitroso-p-toluènesulfonamide / N-Metil-N-nitroso-p-toluenosulfonamida* $CH_3C_6H_4SO_2N(NO)CH_3$ $C_8H_{10}N_2O_3S$ $M = 214{,}24$ g/mol assay (ex S) ..... 97% melting range ..... 60–62 °C	WG. *2936*	100 g	67,50	57,40	54,–	5
	Methyl nonanoate see Methyl pelargonate						
	Methyl nonyl ketone see Undecanone-(2)						
	Methyl octyl ketone see Decanone-(2)						
32624	**Methyl orange** indicator, Reag. Ph. Eur. I (C. I. No. 13025, S. No. 176) *Orangé de méthyle / Naranja de metilo* $NaO_3SC_6H_4N=NC_6H_4N(CH_3)_2$ $C_{14}H_{14}N_3NaO_3S$ $M = 327{,}34$ g/mol	WG. WG. *3205*	100 g 250 g	22,– 51,–	18,70 43,35	17,60 40,80	1 3

Number ADR E/GGVS S-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
5	**Methyl orange solution** 0,1%, indicator Ph. Eur. I *Orangé de méthyle en solution / Naranja de metilo en solución* **1 L ≈ 1,00 kg**	PF. PF. *2928*	500 ml 1 L	9,50 15,75	8,10 13,40	7,60 12,60	7,30 12,15
7	**Methyl palmitate** min. 99,9% for gas chromatography *Méthyle palmitate / Metilo palmitato* $CH_3(CH_2)_{14}COOCH_3$ $C_{17}H_{34}O_2$ $M = 270,45$ g/mol	FL. *2914*	1 g	13,25	11,25	10,60	9,95
7	**Methyl palmitate** PROSYNTH® *Méthyle palmitate / Metilo palmitato* $CH_3(CH_2)_{14}COOCH_3$ $C_{17}H_{34}O_2$ $M = 270,45$ g/mol assay (GC) ..... 99% melting range ..... 29–30 °C	FL. *2914*	1 g	35,75	30,40	28,60	26,80
	Methylparaben see Methyl 4-hydroxybenzoate						
6	**Methyl pelargonate** min. 99,9% for gas chromatography *Méthyle pélargonate / Metilo pelargonato* $CH_3(CH_2)_7COOCH_3$ $C_{10}H_{20}O_2$ $M = 172,27$ g/mol **1 L ≈ 0,88 kg**	FL. *2914*	10 g	price on request			
1 2367 3 C	**1-Methylpentanal** PROSYNTH® *1-Méthylpentanal / 1-Metilpentanal* $CH_3CH_2CH_2CH(CH_3)CHO$ $C_6H_{12}O$ $M = 100,16$ g/mol **1 L ≈ 0,81 kg** assay (GC) ..... 96% boiling range ..... 116–119 °C refractive index (n_D^{20}) ..... 1,402 R: 11 S: 9-16-33 disposal: 14	FL. *2911*	500 ml	29,50	25,10	23,60	22,70
0 ★ A 2462 2	**2-Methylpentane** PROSYNTH® *2-Méthylpentane / 2-Metilpentano* $CH_3CH_2CH_2CH(CH_3)_2$ C_6H_{14} $M = 86,18$ g/mol **1 L ≈ 0,66 kg** assay (GC) ..... 99% boiling range ..... 59–61 °C refractive index (n_D^{20}) ..... 1,372 R: 11 S: 9-16-33 disposal: 6	FL. *2901*	100 ml	49,75	42,30	39,80	37,30
3 A 2462 2	**3-Methylpentane** PROSYNTH® *3-Méthylpentane / 3-Metilpentano* $CH_3CH_2CH(CH_3)CH_2CH_3$ C_6H_{14} $M = 86,18$ g/mol **1 L ≈ 0,66 kg** assay (GC) ..... 99% boiling range ..... 61–63 °C refractive index (n_D^{20}) ..... 1,377 R: 11 S: 9-16-33 disposal: 6	FL. *2901*	100 ml	31,75	27,—	25,40	23,80
	2-Methylpentanedioic acid see 2-Methylglutaric acid						
2	**2-Methylpentanediol-(2,4)** PROSYNTH® *2-Méthylpentanediol-(2-4) / 2-Metilpentanodiol-(2,4)* $CH_3CH(OH)CH_2C(CH_3)_2OH$ $C_8H_{14}O_2$ $M = 118,18$ g/mol **1 L ≈ 0,92 kg** assay (GC) ..... 98% boiling range (at 15 mbar) ..... 95–97 °C refractive index (n_D^{20}) ..... 1,427 R: 36/38 disposal: 6	FL. *2904*	1 L	20,50	17,45	16,40	15,80

POLYPEHA® universal and special indicator papers in strips

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	(1
30845 A 3/3 C 3.3 1987 2 +30 °C	**2-Methylpentanol-(2)** min. 99,9% for gas chromatography *2-Méthylpentanol-(2) / 2-Metilpentanol-(2)* $CH_3C(OH)(CH_3)CH_2CH_2CH_3$ $C_6H_{14}O$ $M = 102{,}18$ g/mol **1 L ≈ 0,84 kg** R: 10 disposal: 6	FL. *2904*	5 ml	49,25	41,85	39,40	
63895 A 3/3 C 3.3 1987 2 +30 °C	**2-Methylpentanol-(2)** PROSYNTH® *2-Méthylpentanol-(2) / 2-Metilpentanol-(2)* $CH_3C(OH)(CH_3)CH_2CH_2CH_3$ $C_6H_{14}O$ $M = 102{,}18$ g/mol **1 L ≈ 0,84 kg** assay (GC) ..... 99% boiling range ..... 120—122 °C refractive index (n_D^{20}) ..... 1,410 R: 10 disposal: 6	FL. *2904*	5 ml	20,25	17,20	16,20	
63896 A 3/3 C 3.3 1993 2 +36 °C	**2-Methylpentanol-(3)** PROSYNTH® *2-Méthylpentanol-(3) / 2-Metilpentanol-(3)* $CH_3CH(CH_3)CH(OH)CH_2CH_3$ $C_6H_{14}O$ $M = 102{,}18$ g/mol **1 L ≈ 0,82 kg** assay (GC) ..... 98% boiling range ..... 127—129 °C refractive index (n_D^{20}) ..... 1,417 R: 10 disposal: 6	FL. *2904*	5 ml	18,50	15,75	14,80	
65046 A 3/3 C 3.3 1987 2 +41 °C	**3-Methylpentanol-(2)** PROSYNTH® *3-Méthylpentanol-(2) / 3-Metilpentanol-(2)* $CH_3CH_2CH(CH_3)CH(OH)CH_3$ $C_6H_{14}O$ $M = 102{,}18$ g/mol **1 L ≈ 0,83 kg** assay (GC) ..... 98% boiling range ..... 132—134 °C refractive index (n_D^{20}) ..... 1,420 R: 10 disposal: 6	FL. *2904*	50 ml	126,50	107,55	101,20	
63897 A 3/3 C 3.3 1993 2 +24 °C	**3-Methylpentanol-(3)** PROSYNTH® *3-Méthylpentanol-(3) / 3-Metilpentanol-(3)* $CH_3CH_2C(OH)(CH_3)CH_2CH_3$ $C_6H_{14}O$ $M = 102{,}18$ g/mol **1 L ≈ 0,82 kg** assay (GC) ..... 98% boiling range ..... 121—123 °C refractive index (n_D^{20}) ..... 1,419 R: 10 disposal: 6	FL. *2904*	250 ml	28,50	24,25	22,80	
63898 A 3/4 C 3.3 1987 2 +57 °C	**4-Methylpentanol-(1)** PROSYNTH® *4-Méthylpentanol-(1) / 4-Metilpentanol-(1)* $HOCH_2CH_2CH_2CH(CH_3)_2$ $C_6H_{14}O$ $M = 102{,}18$ g/mol **1 L ≈ 0,82 kg** assay (GC) ..... 97% boiling range ..... 150—152 °C refractive index (n_D^{20}) 1,414	FL. *2904*	5 ml	39,—	33,15	31,20	
62824 A 3/3 C 3.3 2053 3 +41 °C	**4-Methylpentanol-(2)** PROSYNTH® *4-Méthylpentanol-(2) / 4-Metilpentanol-(2)* $(CH_3)_2CHCH_2CH(OH)CH_3$ $C_6H_{14}O$ $M = 102{,}18$ g/mol **1 L ≈ 0,81 kg** assay(GC) ..... 98% boiling range ..... 131—133 °C refractive index (n_D^{20}) ..... 1,410 R: 10-37 S: 24/25 disposal: 6	FL. *2904*	1 L	14,—	11,90	11,20	

2-Methylpentanone-(3) see Ethyl-*iso*-propyl ketone

2-Methylpentanone-(4) see Methyl-*iso*-butyl ketone

3-Methylpentanone-(2) see Methyl-*sec.*-butyl ketone

umber R GVS ODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
3 2	**2-Methyl-1-pentene** PROSYNTH® *2-Méthylpentène-(1) / 2-Metilpenteno-(1)* $CH_3CH_2CH_2C(CH_3)=CH_2$ C_6H_{12} $M = 84{,}16$ g/mol **1 L ≈ 0,68 kg** assay (GC) ..... 99% boiling range ..... 60—62 °C refractive index (n_D^{20}) ..... 1,392 R: 11 S: 9-16-33 disposal: 6	FL. *2901*	50 ml	39,25	33,35	31,40	29,45
3 2	**2-Methyl-2-pentene** PROSYNTH® *2-Méthyl-2-pentène / 2-Metil-2-penteno* $CH_3CH_2CH=C(CH_3)_2$ C_6H_{12} $M = 84{,}16$ g/mol **1 L ≈ 0,69 kg** assay (GC) ..... 99% boiling range ..... 66—68 °C refractive index (n_D^{20}) ..... 1,400 R: 11 S: 9-16-33 disposal: 6	FL. *2901*	10 ml	19,25	16,35	15,40	14,45
3 2	**3-Methyl-1-pentene** PROSYNTH® *3-Méthyl-1-pentène / 3-Metil-1-penteno* $CH_3CH_2CH(CH_3)CH=CH_2$ C_6H_{12} $M = 84{,}16$ g/mol **1 L ≈ 0,67 kg** assay (GC) ..... 99% boiling range ..... 52—54 °C refractive index (n_D^{20}) ..... 1,384 R: 11 S: 9-16-33 disposal: 6	FL. *2901*	5 ml	43,75	37,20	35,—	32,80
3 2	***cis*-3-Methyl-2-pentene** PROSYNTH® *cis-3-Méthyl-2-pentène / cis-3-Metil-2-penteno* $CH_3CH_2C(CH_3)=CHCH_3$ C_6H_{12} $M = 84{,}16$ g/mol **1 L ≈ 0,69 kg** assay (GC) ..... 97% boiling range ..... 67—69 °C refractive index (n_D^{20}) ..... 1,406 R: 11 S: 9-16-33 disposal: 6	FL. *2901*	5 ml	31,75	27,—	25,40	23,80
3 2	***trans*-3-Methyl-2-pentene** PROSYNTH® *trans-3-Méthyl-2-pentène / trans-3-Metil-2-penteno* $CH_3CH_2C(CH_3)=CHCH_3$ C_6H_{12} $M = 84{,}16$ g/mol **1 L ≈ 0,70 kg** assay (GC) ..... 98% boiling range ..... 70—72 °C refractive index (n_D^{20}) ..... 1,405 R: 11 S: 9-16-33 disposal: 6	FL. *2901*	5 ml	29,50	25,10	23,60	22,15
3 2	**3-Methyl-2-pentene** PROSYNTH® mixture of *cis*- and *trans*-isomers *3-Méthyl-2-pentène / 3-Metil-2-penteno* $CH_3CH_2C(CH_3)=CHCH_3$ C_6H_{12} $M = 84{,}16$ g/mol **1 L ≈ 0,70 kg** assay (GC) ..... 99% boiling range ..... 67—70 °C refractive index (n_D^{20}) ..... 1,404 R: 11 S: 9-16-33 disposal: 6	FL. *2901*	10 ml	62,—	52,70	49,60	46,50

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Box
63652 A 3/1A C 3.2 1993 2 -7 °C	**4-Methyl-1-pentene** PROSYNTH® *4-Méthyl-1-pentène / 4-Metilpenteno-(1)* $(CH_3)_2CHCH_2CH=CH_2$ C_6H_{12} $M = 84{,}16$ g/mol **1 L ≈ 0,66 kg** assay (GC) ..... 99 % boiling range ..... 53—55 °C refractive index (n_D^{20}) ..... 1,382 R: 11 S: 9-16-33 disposal: 6	FL. *2901*	50 ml	43,—	36,55	34,40	32,;
63653 A 3/1A C 3.1 1993 2 -32 °C	***cis*-4-Methyl-2-pentene** PROSYNTH® *cis-4-Méthyl-2-pentène / cis-4-Metilpenteno-(2)* $(CH_3)_2CHCH=CHCH_3$ C_6H_{12} $M = 84{,}16$ g/mol **1 L ≈ 0,67 kg** assay (GC) ..... 99 % boiling range ..... 54—56 °C refractive index (n_D^{20}) ..... 1,388 R: 11 S: 9-16-33 disposal: 6	FL. *2901*	25 ml	28,50	24,25	22,80	21,4
63654 A 3/1A C 3.1 1993 2 -29 °C	***trans*-4-Methyl-2-pentene** PROSYNTH® *trans-4-Méthyl-2-pentène / trans-4-Metil-2-penteno* $(CH_3)_2CHCH=CHCH_3$ C_6H_{12} $M = 84{,}16$ g/mol **1 L ≈ 0,67 kg** assay (GC) ..... 98 % boiling range ..... 57—59 °C refractive index (n_D^{20}) ..... 1,389 R: 11 S: 9-16-33 disposal: 6	FL. *2901*	25 ml	26,25	22,30	21,—	19,7
2-Methylpentene-(2)-on-(4) see Mesityl oxide							
15779 A 3/3 C 3.3 1993 2 +39 °C	**3-Methylpentin-(1)-ol-(3)** *3-Méthylpentine-(1)-ol-(3) / 3-Metilpentina-(1)-ol-(3)* $CH \equiv CC(OH)(CH_3)C_2H_5$ $C_6H_{10}O$ $M = 98{,}14$ g/mol **1 L ≈ 0,87 kg** Patent rights regarding its application in the electroplating industry have to be observed. assay ..... 98,5 % boiling range ..... 120—121 °C density (D_4^{20}) ..... 0,869—0,870 refractive index (n_D^{20}) ..... 1,4300—1,4320 non-volatile matter ..... 0,02 % cetones (as $CH_3COC_2H_5$) ..... 0,3 % R: 10 disposal: 6	FL. FL. STP. *2904*	1 L 2,5 L 25 kg	57,— 126,— price on request	48,45 104,60	45,60 98,30	43,9 94,5
Methylpentylcarbinol see Heptanol-(2)							
Methyl pentyl ketone see Heptanone-(2)							
Methyl-*iso*-pentyl ketone see 5-Methylhexanone-(2)							
62825	**5-Methylphenazinium methyl sulphate** PROSYNTH® *5-Méthylphénazine méthylsulfate / 5-Metilfenacina metilsulfato* $[C_6H_4N=C_6H_4=N^+CH_3]CH_3SO_4^-$ $C_{14}H_{14}N_2O_4S$ $M = 306{,}34$ g/mol assay (ex S) ..... 95 %	WG. *2935*	10 g	87,50	74,40	70,—	65,6

refer explanations

Number ADR /GGVS -CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	Methyl L-phenylalaninate hydrochloride BIOSYNTH® *Méthyle L-phénylalaninate chlorhydrate / Metilo L-fenilalaninato clorhidrato* $C_6H_5CH_2CH(NH_2)COOCH_3 \cdot HCl$ $C_{10}H_{14}ClNO_2$ $M = 215{,}68$ g/mol assay (ex N) ..... 97% melting range ..... 158—160 °C keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	WG. *2923*	10 g	29,50	25,10	23,60	22,15
3 21H 2811 3	**2-Methyl-1,3-phenylenediamine** PROSYNTH® *2-Méthyl-1-3-phénylènediamine / 2-Metil-1,3-fenilendiamina* $CH_3C_6H_3(NH_2)_2$ $C_7H_{10}N_2$ $M = 122{,}17$ g/mol assay ..... 98% melting range ..... 103—105 °C	WG. *2922*	100 g	102,50	87,15	82,—	76,90
1 21H 811 3	**4-Methyl-1,2-phenylenediamine** PROSYNTH® *4-Méthyl-1-2-phénylènediamine / 4-Metil-1,2-fenilendiamina* $CH_3C_6H_3(NH_2)_2$ $C_7H_{10}N_2$ $M = 122{,}17$ g/mol assay ..... 98% melting range ..... 88—90 °C	WG. *2922*	100 g	19,75	16,80	15,80	14,80
	Methyl phenyl ether see Anisole						
?	**4-Methylphenylmethylcarbinol** PROSYNTH® *4-Méthylphénylméthylcarbinol / 4-Metilfenilmetilcarbinol* $CH_3C_6H_4CHOHCH_3$ $C_9H_{12}O$ $M = 136{,}19$ g/mol assay (GC) ..... 97% boiling range ..... 217—219 °C refractive index (n_D^{20}) 1,524	FL. *2905*	10 g	37,50	31,90	30,—	28,15
	2-Methyl-2-phenylpropane see *tert.*-Butylbenzene						
	Methyl phenyl sulphide PROSYNTH® *Méthylphényle sulfure / Metilfenilo sulfuro* $C_6H_5SCH_3$ C_7H_8S $M = 124{,}21$ g/mol **1 L ≈ 1,06 kg** assay (GC) ..... 99% boiling range ..... 190—192 °C refractive index (n_D^{20}) 1,586	FL. *2931*	100 ml	72,—	61,20	57,60	54,—
	Methyl phthalate see Dimethyl phthalate						
92 2	**1-Methylpiperazine** PROSYNTH® *1-Méthylpipérazine / 1-Metilpiperacina* $CH_3\underline{NCH_2CH_2NHCH_2CH_2}$ $C_5H_{12}N_2$ $M = 100{,}16$ g/mol **1 L ≈ 0,90 kg** assay (GC) ..... 99% boiling range ..... 136—138 °C refractive index (n_D^{20}) 1,466	FL. *2935*	100 ml	26,75	22,75	21,40	20,05
1 2	**2-Methylpiperazine** PROSYNTH® *2-Méthylpipérazine / 2-Metilpiperacina* $\underline{NHCH_2CH_2NHCH_2CH}CH_3$ $C_5H_{12}N_2$ $M = 100{,}16$ g/mol assay (GC) ..... 99% melting range ..... 65—67 °C	WG. *2935*	250 g	56,—	47,60	44,80	42,—

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
62828 A 3/1A C 3.2 2399 2 +3 °C	**1-Methylpiperidine** PROSYNTH® *1-Méthylpipéridine / 1-Metilpiperidina* $CH_3N(CH_2)_4CH_2$ $C_6H_{13}N$ $M = 99{,}18$ g/mol **1 L ≈ 0,82 kg** assay (GC) ..... 98 % boiling range ..... 105—108 °C refractive index (n_D^{20}) ..... 1,438 R: 11 S: 9-16-33 disposal: 19	FL. *2935*	100 ml	17,—	14,45	13,60	12,7
62829 A 3/1A C 3.2 1993 2 +10 °C	**2-Methylpiperidine** PROSYNTH® *2-Méthylpipéridine / 2-Metilpiperidina* $NH(CH_2)_4CHCH_3$ $C_6H_{13}N$ $M = 99{,}18$ g/mol **1 L ≈ 0,83 kg** assay (GC) ..... 98 % boiling range ..... 117—119 °C refractive index (n_D^{20}) ..... 1,446 R: 11 S: 9-16-33 disposal: 19	FL. *2935*	100 ml	24,—	20,40	19,20	18,-
63900 A 3/1A C 3.2 1993 2 +8 °C	**3-Methylpiperidine** PROSYNTH® *3-Méthylpipéridine / 3-Metilpiperidina* $NHCH_2CH(CH_3)CH_2CH_2CH_2$ $C_6H_{13}N$ $M = 99{,}18$ g/mol **1 L ≈ 0,85 kg** assay (GC) ..... 98 % boiling range ..... 123—126 °C refractive index (n_D^{20}) ..... 1,448 R: 11 S: 9-16-33 disposal: 6	FL. *2935*	50 ml	22,50	19,15	18,—	16,9
62830 A 3/1A C 3.2 1993 2 +9 °C	**4-Methylpiperidine** PROSYNTH® *4-Méthylpipéridine / 4-Metilpiperidina* $NHCH_2CH_2CH(CH_3)CH_2CH_2$ $C_6H_{13}N$ $M = 99{,}18$ g/mol **1 L ≈ 0,84 kg** assay (GC) ..... 99 % boiling range ..... 124—127 °C refractive index (n_D^{20}) ..... 1,446 R: 11 S: 9-16-33 disposal: 19	FL. *2935*	100 ml	23,75	20,20	19,—	17,8
64711	**1-Methyl-3-piperidinol** PROSYNTH® *Méthyl-1-pipéridinol-3 / 1-Metil-3-piperidinol* $CH_3N(CH_2)_3CH(OH)CH_2$ $C_6H_{13}NO$ $M = 115{,}17$ g/mol **1 L ≈ 0,98 kg** assay (GC) ..... 98 % boiling range (at 15 mbar) ..... 76—78 °C refractive index (n_D^{20}) 1,475	FL. *2935*	25 ml	26,50	22,55	21,20	19,9
62831	**1-Methyl-4-piperidinol** PROSYNTH® *Méthyl-1-pipéridinol-(4) / 1-Metilpiperidinol-(4)* $CH_3NCH_2CH_2CH(OH)CH_2CH_2$ $C_6H_{13}NO$ $M = 115{,}17$ g/mol **1 L ≈ 0,97 kg** assay (GC) ..... 98 % boiling range ..... 198—200 °C refractive index (n_D^{20}) 1,478	FL. *2935*	100 g	43,75	37,20	35,—	32,8
62832 A 3/4 C 3.3 1993 2 +58 °C	**1-Methyl-4-piperidinone** PROSYNTH® *Méthyl-1-pipéridinone-(4) / 1-Metil-4-piperidinona* $CH_3NCH_2CH_2COCH_2CH_2$ $C_6H_{11}NO$ $M = 113{,}16$ g/mol **1 L ≈ 0,98 kg** assay (GC) ..... 98 % boiling range (at 15 mbar) ..... 57—60 °C refractive index (n_D^{20}) 1,461	FL. *2935*	100 ml	32,50	27,65	26,—	24,7

-Number /ADR /E/GGVS G-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
55 A 1993 2 C	**Methyl pivalate** PROSYNTH® *Méthyle pivalate / Metilo pivalato* $(CH_3)_3CCOOCH_3$ $C_6H_{12}O_2$ $M = 116{,}16$ g/mol **1 L ≈ 0,87 kg** assay (GC) ..... 99% boiling range ..... 99—101 °C refractive index (n_D^{20}) ..... 1,390 R: 11 S: 9-16-33 disposal: 6	FL. 2914	100 ml	25,25	21,45	20,20	18,95
	2-Methylpropanal see Isobutyraldehyde						
1 A 1228 2 C	**2-Methylpropanethiol-(1)** PROSYNTH® *2-Méthylpropanethiol-(1) / 2-Metilpropanotiol-(1)* $(CH_3)_2CHCH_2SH$ $C_4H_{10}S$ $M = 90{,}19$ g/mol **1 L ≈ 0,83 kg** assay (GC) ..... 98% boiling range ..... 87—89 °C refractive index (n_D^{20}) ..... 1,440 R: 11 S: 9-16-33 disposal: 15	FL. 2931	100 ml	18,75	15,95	15,—	14,05
	2-Methylpropanethiol-(1) see *iso*-Butylmercaptan						
3 993 2	**2-Methylpropanethiol-(2)** PROSYNTH® *2-Méthylpropanethiol-(2) / 2-Metilpropanotiol-(2)* $(CH_3)_3CSH$ $C_4H_{10}S$ $M = 90{,}19$ g/mol **1 L ≈ 0,80 kg** assay (GC) ..... 98% boiling range ..... 64—66 °C refractive index (n_D^{20}) ..... 1,423 R: 11 S: 9-16-33 disposal: 15	FL. 2931	250 ml	20,50	17,45	16,40	15,40
	2-Methylpropanic acid see *iso*-**Butyric acid**						
	2-Methylpropanol-(1) see *iso*-Butanol						
	2-Methylpropanol-(2) see *tert.*-Butanol						
	2-Methylpropenoic acid see Methacrylic acid						
387 2	**2-Methyl-2-propen-1-ol** PROSYNTH® *Méthyl-2-propène-2-ol-1 / 2-Metil-2-propén-1-ol* $CH_2=CH(CH_3)CH_2OH$ C_4H_8O $M = 72{,}11$ g/mol **1 L ≈ 0,85 kg** assay (GC) ..... 98% boiling range ..... 111—114 °C refractive index (n_D^{20}) ..... 1,425 R: 10 disposal: 6	FL. 2904	100 ml	20,50	17,45	16,40	15,40
	2-Methylpropionaldehyde see *iso*-Butyraldehyde						
993 2	**Methyl propionate** min. 99,9% for gas chromatography *Méthyle propionate / Metilo propionato* $CH_3CH_2COOCH_3$ $C_4H_8O_2$ $M = 88{,}11$ g/mol **1 L ≈ 0,91 kg** R: 11 S: 16-23-29-33 disposal: 6	FL. 2914	5 ml	49,25	41,85	39,40	36,95
	2-Methylpropionic acid see Isobutyric acid						
	1-Methyl-3-propionylbenzene see 3-Methylpropiophenone						

SPECTRANAL® solvents for spectroscopy

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	(16
63901 A 3/4 +77 °C	**3-Methylpropiophenone** PROSYNTH® *3-Méthylpropiophénone / 3-Metilpropiofenona* $CH_3C_6H_4COCH_2CH_3$ $C_{10}H_{12}O$ M = 148,20 g/mol **1 L ≈ 0,99 kg** assay (GC) ..... 98 % boiling range (at 27 mbar) ..... 113—115 °C refractive index (n_D^{20}) 1,525	FL. *2913*	50 ml	105,50	89,70	84,40	7
30814 A 3/1A C 3.2 1249 2 +7 °C	**Methyl *n*-propyl ketone** min. 99,9% for gas chromatography *Méthyl n-propylcétone / Metil n-propilcetona* $CH_3COCH_2CH_2CH_3$ $C_5H_{10}O$ M = 86,13 g/mol **1 L ≈ 0,81 kg** R: 11 S: 9-16-33 disposal: 6	FL. *2913*	5 ml	49,25	41,85	39,40	3
30816 A 3/1A C 3.2 2397 2 -3 °C	**Methyl *iso*-propyl ketone** min. 99,9% for gas chromatography *Méthyl iso-propylcétone / Metil iso-propilcetona* $(CH_3)_2CHCOCH_3$ $C_5H_{10}O$ M = 86,13 g/mol **1 L ≈ 0,81 kg** R: 11 S: 9-16-33 disposal: 6	FL. *2913*	5 ml	49,25	41,85	39,40	3
60224 A 3/1 C 3.2 1249 2 +7 °C	**Methyl propyl ketone** PROSYNTH® *Méthyl propylcétone / Metil propilcetona* $CH_3COCH_2CH_2CH_3$ $C_5H_{10}O$ M = 86,13 g/mol **1 L ≈ 0,81 kg** assay (GC) ..... 98 % boiling range ..... 100—103 °C R: 11 S: 9-16-33 disposal: 6	FL. FL. *2913*	250 ml 2,5 L	12,— 86,50	10,20 71,80	9,60 67,45	6
65053 A 3/3 C 3.3 1993 2 +50 °C	**2-Methylpyrazine** PROSYNTH® *2-Méthylpyrazine / 2-Metilpirazina* $CH_3C=NCH=CHN=CH$ $C_5H_6N_2$ M = 94,12 g/mol **1 L ≈ 1,03 kg** assay (GC) ..... 99 % boiling range ..... 134—136 °C refractive index (n_D^{20}) 1,504	FL. *2935*	5 ml	41,25	35,05	33,—	3
	2-Methylpyridine see 2-Picoline						
	3-Methylpyridine see 3-Picoline						
	4-Methylpyridine see 4-Picoline						
64714	**3-Methylpyridine 1-oxide** PROSYNTH® *Méthyl-3-pyridine-1 oxyde / 3-Metilpiridina 1-óxido* $ON=CHC(CH_3)=CHCH=CH$ C_6H_7NO M = 109,13 g/mol assay (GC) ..... 98 % melting range ..... 37—39 °C keep in refrigerator à stocker dans le refrigidaire almacenaje en la nevera	WG. *2935*	50 g	29,25	24,85	23,40	2
	Methyl-α-pyridyl ketone see 2-Acetylpyridine						
	Methyl-β-pyridyl ketone see 3-Acetylpyridine						
	Methyl-γ-pyridyl ketone see 4-Acetylpyridine						

refer explanations

Number ADR E/GGVS G-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
5 A 993 2 C	**1-Methylpyrrol** PROSYNTH® *1-Méthylpyrrole / 1-Metilpirrol* $CH_3NCH=CHCH=CH$ C_5H_7N M = 81,12 g/mol **1 L ≈ 0,91 kg** assay (GC) ..... 99% boiling range ..... 111–113 °C refractive index (n_D^{20}) ..... 1,488 R: 11 S: 9-16-33 disposal: 6	FL. 2935	100 ml	47,–	39,95	37,60	35,25
7	**N-Methylpyrrolaldehyde-(2)** PROSYNTH® *N-Méthylpyrrolaldéhyde-(2) / N-Metilpirrolaldehido-(2)* $CH_3NC(CHO)=CHCH=CH$ C_6H_7NO M = 109,13 g/mol **1 L ≈ 1,07 kg** assay (GC) ..... 99% boiling range (at 29 mbar) ..... 87–90 °C refractive index (n_D^{20}) 1,561	FL. 2935	5 ml	58,50	49,75	46,80	43,90
	3-(N-Methyl-α-pyrrolidinyl)-pyridine see Nicotine						
0 C	**N-Methylpyrrolidone-(2)** *N-Méthylpyrrolidone-(2) / N-Metilpirrolidona-(2)* $CH_3N(CH_2)_3CO$ C_5H_9NO M = 99,13 g/mol **1 L ≈ 1,03 kg** assay (GC) ..... 99,5% boiling range ..... 202–205 °C density (D_4^{20}) ..... 1,032–1,033 refractive index (n_D^{20}) ..... 1,4690–1,4710 R: 36/38 S: 41 disposal: 6	FL. FL. EKL. F. 2935	1 L 2,5 L 30 kg 210 kg	34,– 72,– price on request price on request	28,90 59,75	27,20 56,15	26,20 54,–
9 1993 2 C	**Methyl pyruvate** PROSYNTH® *Méthyle pyruvate / Metilo piruvato* $CH_3COCOOCH_3$ $C_4H_6O_3$ M = 102,09 g/mol **1 L ≈ 1,01 kg** assay (GC) ..... 97% boiling range ..... 134–136 °C refractive index (n_D^{20}) ..... 1,406 R: 10 disposal: 6	FL. 2916	25 ml	22,–	18,70	17,60	16,50
6	**3-Methyl *iso*-quinoline** PROSYNTH® *3-Méthyl iso-quinoléine / 3-Metil iso-quinolina* $C_6H_4CH=C(CH_3)N=CH$ $C_{10}H_9N$ M = 143,19 g/mol assay (GC) ..... 99% melting range ..... 64–67 °C	WG. 2935	50 g	47,–	39,95	37,60	35,25
0	**6-Methylquinoline** PROSYNTH® *6-Méthylquinoléine / 6-Metilquinolina* $CH_3C_6H_3CH=CHCH=N$ $C_{10}H_9N$ M = 143,19 g/mol **1 L ≈ 1,07 kg** assay (GC) ..... 99% boiling range ..... 256–258 °C refractive index (n_D^{20}) 1,614	FL. 2935	50 ml	38,–	32,30	30,40	28,50
1	**8-Methylquinoline** PROSYNTH® *8-Méthylquinoléine / 8-Metilquinolina* $CH_3C_6H_3CH=CHCH=N$ $C_{10}H_9N$ M = 143,19 g/mol **1 L ≈ 1,07 kg** assay (GC) ..... 99% boiling range ..... 245–248 °C refractive index (n_D^{20}) 1,614	FL. 2935	25 ml	55,50	47,20	44,40	41,65
	2-Methyl-8-quinolinol see 8-Hydroxyquinaldine						

AQUANAL® test sets for quantitative analysis of aqueous solutions

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	9 (16 B
63662	**2-Methylquinoxaline** PROSYNTH® *2-Méthylquinoxaline / 2-Metilquinoxalina* $C_6H_4N=C(CH_3)CH=N$ $C_9H_8N_2$ $M = 144,18$ g/mol **1 L ≈ 1,11 kg** assay (GC) ..... 97% boiling range ..... 245–247 °C refractive index (n_D^{20}) 1,614	FL. *2935*	**25 ml**	60,–	51,–	48,–	45
	2-Methylquioniline see Quinaldine						
32654	**Methyl red** indicator, Reag. Ph. Eur. I (C. I. No. 13020, S. No. 250) *Rouge de méthyle / Rojo de metilo* $HOOCC_6H_4N=NC_6H_4N(CH_3)_2$ $C_{15}H_{15}N_3O_2$ $M = 269,30$ g/mol	WG. WG. *2928*	**25 g** **100 g**	11,75 29,50	10,– 25,10	9,40 23,60	8 22
32655	**Methyl red sodium salt** indicator (C. I. No. 13020, S. No. 250) *Rouge de méthyle, sel de sodium / Rojo de metilo, sal de sódica* $NaOOCC_6H_4N=NC_6H_4N(CH_3)_2$ $C_{15}H_{14}N_3NaO_2$ $M = 291,28$ g/mol	WG. WG. *3205*	**25 g** **100 g**	17,50 52,50	14,90 44,65	14,– 42,–	13 39
	2-Methylresorcinol see 2,6-Dihydroxytoluene						
64105	**N-Methylrhodanine** PROSYNTH® *N-Méthylrhodanine / N-Metilrodanina* $C_4H_5NOS_2$ $M = 147,21$ g/mol	WG. *2935*	**5 g**	42,75	36,35	34,20	32,
	Methylrosaniline see Gentian violet						
27305 A 3/4 +96 °C	**Methyl salicylate** Ph. Eur. I, B. P. 1973, Ph. Franç. IX *Méthyle salicylate / Metilo salicilato* $C_6H_4(COOCH_3)(OH)$ $C_8H_8O_3$ $M = 152,15$ g/mol **1 L ≈ 1,18 kg** assay (GC) ..... 99,5% boiling range ..... 218–221 °C density (D_4^{20}) ..... 1,180–1,185 refractive index (n_D^{20}) ..... 1,5350–1,5380 free acid (as $C_7H_6O_3$) 0,05%	FL. FPF. *2916*	**1 L** **30 kg**	24,– price on request	20,40	19,20	18,
30851	**Methyl stearate** min. 99,9% for gas chromatography *Méthyle stéarate / Metilo estearato* $CH_3(CH_2)_{16}COOCH_3$ $C_{19}H_{38}O_2$ $M = 298,51$ g/mol	FL. *2914*	**1 g**	26,25	22,30	21,–	19,
63664	**Methyl stearate** PROSYNTH® *Méthyle stéarate / Metilo estearato* $CH_3(CH_2)_{16}COOCH_3$ $C_{19}H_{38}O_2$ $M = 298,51$ g/mol assay (GC) ..... 99% melting range ..... 38–40 °C	A. *2914*	**1 g**	12,75	10,85	10,20	9,
63811 A 3/4 C 3.3 1993 2 +60 °C	**Methylstyrene** PROSYNTH® (mixture of isomers) *Methylstyrène / Metilestireno* $CH_3C_6H_4CH=CH_2$ C_9H_{10} $M = 118,18$ g/mol **1 L ≈ 0,90 kg** 1,3-isomer ..... 60% 1,4-isomer ..... 40% keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 20 S: 24 disposal: 6	FL. *2901*	**1 L**	17,75	15,10	14,20	13,6

-Number /ADR /E/GGVS G-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
6 2303 3 C	**α-Methylstyrene** PROSYNTH® stabilized with 2,4/dimethyl-6-*tert.*-butylphenol (10 mg/l) *α-Méthylstyrène / α-Metilestireno* $C_6H_5C(CH_3)=CH_2$ C_9H_{10} $M = 118{,}18$ g/mol **1 L ≈ 0,91 kg** assay (GC) ..... 99% boiling range ..... 164–166 °C refractive index (n_D^{20}) ..... 1,538 keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 10-36/37 disposal: 6	FL. *2901*	1 L	28,–	23,80	22,40	21,55
2 1993 2 C	**2-Methylstyrene** PROSYNTH® stabilized with 4-*tert.*-butylpyrocatechol (1 g/l) *2-Méthylstyrène / 2-Metilestireno* $CH_3C_6H_4CH=CH_2$ C_9H_{10} $M = 118{,}18$ g/mol **1 L ≈ 0,91 kg** assay (GC) ..... 97% boiling range ..... 169–171 °C refractive index (n_D^{20}) ..... 1,544 keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 20 S: 24 disposal: 6	FL. *2901*	5 ml	27,25	23,15	21,80	20,45
3 1993 2 C	**3-Methylstyrene** PROSYNTH® stabilized with 4-*tert.*-butylpyrocatechol (1 g/l) *3-Méthylstyrène / 3-Metilestireno* $CH_3C_6H_4CH=CH_2$ C_9H_{10} $M = 118{,}18$ g/mol **1 L ≈ 0,90 kg** assay (GC) ..... 97% boiling range ..... 168–170 °C refractive index (n_D^{20}) ..... 1,501 keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 20 S: 24 disposal: 6	FL. *2901*	5 ml	32,75	27,85	26,20	24,55
4 1993 2 C	**4-Methylstyrene** PROSYNTH® stabilized with 4-*tert.*-butylpyrocatechol (1 g/l) *4-Méthylstyrène / 4-Metilestireno* $CH_3C_6H_4CH=CH_2$ C_9H_{10} $M = 118{,}18$ g/mol **1 L ≈ 0,90 kg** assay (GC) ..... 97% boiling range ..... 171–174 °C refractive index (n_D^{20}) ..... 1,542 keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 20 S: 24 disposal: 6	FL. *2901*	5 ml	25,25	21,45	20,20	18,95
9	**2-Methylsuccinic acid** PROSYNTH® *Acide méthyl-2-succinique / Acido 2-metilsuccínico* $HOOCCH(CH_3)CH_2COOH$ $C_5H_8O_4$ $M = 132{,}12$ g/mol assay (GC) ..... 99% melting range ..... 115–117 °C	WG. *2915*	50 g	27,75	23,60	22,20	20,80

Methyl sulphate see Dimethyl sulphate

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96 (16 Bo
64715	**3-Methylsulpholane** PROSYNTH® *3-Méthylsulfolane / 3-Metilsulfolano* $CH_2CH(CH_3)CH_2CH_2SO_2$ $C_5H_{10}O_2S$ *M* = 134,20 g/mol **1 L ≈ 1,19 kg** assay (GC) ..... 98% boiling range ..... 274–276 °C refractive index (n_D^{20}) 1,477	FL. *2935*	25 ml	41,25	35,05	33,–	30,
	Methylsulphonic acid see Methanesulphonic acid						
	Methylsulphoxide see Dimethyl sulphoxide						
64716	**N-Methyltaurine** PROSYNTH® *N-Méthyltaurine / N-Metiltaurina* $CH_3NHCH_2CH_2SO_3H$ $C_3H_9NO_3S$ *M* = 139,17 g/mol	WG. *2922*	100 g	109,–	92,65	87,20	81,
61110	**Methyl 4-tetrafluoroethoxybenzoate** PROSYNTH® *Méthyle 4-tétrafluoroéthoxybenzoate / Metilo 4-tetrafluoroetoxibenzoato* $C_6H_4(COOCH_3)(OCF_2CF_2H)$ $C_{10}H_8F_4O_3$ *M* = 252,17 g/mol **1 L ≈ 1,37 kg** assay (GC) ..... 98% boiling range (at 15 mbar) ..... 112–114 °C	FL. *2916*	100 ml	95,–	80,75	76,–	71,
63665 A 3/1A C 3.2 2536 2 -11 °C	**2-Methyltetrahydrofuran** PROSYNTH® stabilized with hydroquinone (1 g/l) *2-Méthyltétrahydrofuranne / 2-Metiltetrahidrofurano* $O(CH_2)_3CHCH_3$ $C_5H_{10}O$ *M* = 86,13 g/mol **1 L ≈ 0,85 kg** assay (GC) ..... 99% boiling range ..... 78–80 °C refractive index (n_D^{20}) ..... 1,406 R: 11-19-36/37 S: 16-29-33 disposal: 6	FL. *2935*	100 ml	18,75	15,95	15,–	14,
60406 A 6.1/21D C 3.2 2477 2 +22 °C	**Methyl *iso*-thiocyanate** PROSYNTH® *Méthyle iso-thiocyanate / Metilo iso-tiocianato* C_2H_3NS *M* = 73,12 g/mol Gehalt (GC) ..... 98% assay (GC) ..... 98% melting range ..... 33–35 °C	FL. *2931*	100 ml	126,50	107,55	101,20	94,
63094 A 3/4 C 3.3 1992 2 +56 °C	**Methyl thioglycollate** PROSYNTH® *Méthyle thioglycolate / Metilo tioglicolato* $HSCH_2COOCH_3$ $C_3H_6O_2S$ *M* = 106,14 g/mol **1 L ≈ 1,17 kg** assay (GC) ..... 98% boiling range ..... 146–149 °C refractive index (n_D^{20}) 1,466	FL. *2931*	100 ml	13,25	11,25	10,60	9,
	Methylthioninchloride see Methylen blue						
62839 A 3/1A C 3.2 1993 2 +8 °C	**2-Methylthiophene** PROSYNTH® *2-Méthylthiophène / 2-Metiltiofeno* $SCH=CHCH=CCH_3$ C_5H_6S *M* = 98,17 g/mol **1 L ≈ 1,02 kg** assay (GC) ..... 98% boiling range ..... 111–113 °C refractive index (n_D^{20}) ..... 1,520 R: 11-20/21/22 S: 26-28 disposal: 6	FL. *2935*	100 ml	120,–	102,–	96,–	90,

-Number /ADR /E/GGVS G-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
7 A 1992 2 C	**3-Methylthiophene** PROSYNTH® *3-Méthylthiophène / 3-Metiltiofeno* SCH=C(CH3)CH=CH C_5H_6S M = 98,17 g/mol **1 L ≈ 1,02 kg** assay (GC) ..... 98% boiling range ..... 114–116 °C refractive index (n_D^{20}) ..... 1,520 R: 11-20/21/22 S: 26-28 disposal: 6	FL. 2935	10 ml	22,–	18,70	17,60	16,50
40	**4-Methyl-2-thiouracil** PROSYNTH® *4-Méthyl-2-thiouracile / 4-Metil-2-tiouracilo* N=C(SH)N=C(OH)CH=CCH3 $C_5H_6N_2OS$ M = 142,18 g/mol assay (ex S) ..... 98% melting range ..... 328–330 °C (disint.)	PF. 2935	250 g	26,50	22,55	21,20	19,90
38	**N-Methylthiourea** PROSYNTH® *N-Méthylthiourée / N-Metiltiourea* $NH_2CSNHCH_3$ $C_2H_6N_2S$ M = 90,15 g/mol assay (ex S) ..... 98% melting range ..... 118–121 °C	WG. 2931	10 g	13,25	11,25	10,60	9,95
60	**Methyl thymol blue** *Bleu de méthylthymol / Azul de metiltimol* $C_{37}H_{40}N_2Na_4O_{13}S$ M = 844,75 g/mol	FL. WG. 2937	1 g 5 g	15,50 59,–	13,20 50,15	12,40 47,20	11,65 44,25
08	**Methyl-4-toluenesulphonate** PROSYNTH® *Méthyle-4-toluènesulfonate / Metilo-4-toluenosulfonato* $CH_3C_6H_4SO_2OCH_3$ $C_8H_{10}O_3S$ M = 186,23 g/mol **1 L ≈ 1,23 kg** assay (GC) ..... 97% melting range ..... 25–27 °C	FL. 2903	250 ml	29,50	25,10	23,60	22,15
10	**Methyl tridecanoate** min. 99,9% for gas chromatography *Méthyle tridécanoate / Metilo tridecanoato* $CH_3(CH_2)_{11}COOCH_3$ $C_{14}H_{28}O_2$ M = 228,37 g/mol	FL. 2914	5 ml	49,25	41,85	39,40	36,95
76 1A 1993 2 C	**Methyl trifluoroacetate** PROSYNTH® *Méthyle trifluoroacétate / Metilo trifluoroacetato* CF_3COOCH_3 $C_3H_3F_3O_2$ M = 128,05 g/mol **1 L ≈ 1,28 kg** assay (GC) ..... 99% boiling range ..... 42–44 °C refractive index (n_D^{20}) ..... 1,291 R: 11-26/27/28 S: 7/9-29-45 disposal: 7	FL. 2914	100 ml	90,–	76,50	72,–	67,50
99 I/13B 2810 1	**Methyl trifluoromethanesulphonate** PROSYNTH® *Méthyle trifluorométhanesulfonate / Metilo trifluorometanosulfonato* $CF_3SO_2OCH_3$ $C_2H_3F_3O_3S$ M = 164,10 g/mol **1 L ≈ 1,50 kg** R: 23/24/25 S: 44 disposal: 7	FL. 2921	10 ml	59,50	50,60	47,60	44,65
25	**Methyltrioctylammonium chloride** phase transfer catalyst *Méthyltrioctylammonium chlorure / Metiltrioctilamonio cloruro* R: primarily C_8H_{17} but also $C_{10}H_{21}$ CH_3R_3NCl mean M = 442 g/mol **1 L ≈ 0,89 kg** assay ex Cl ..... 84% water 4%	FL. 2924	500 ml	49,–	41,65	39,20	37,75

Code Number [illegible]		Type of package [illegible]	Price per package DM	1x	6x
[illegible]	**Methyltriphenylphosphonium bromide** PROSYNTH® [illegible] assay [illegible] 99% melting range [illegible] °C	WG [illegible]	100 g	44.75	38[illegible]
[illegible]	**Methyl-L-tyrosinate hydrochloride** BIOSYNTH® [illegible] assay [illegible] 98% melting range 186–190 °C specific rotation [illegible] [illegible]	WG [illegible]	10 g	15.75	13.[illegible]
[illegible]	**α-Methyl-DL-tyrosine** PROSYNTH® [illegible] assay (HPLC) 99%	FL [illegible]	1 g	50.50	42.9[illegible]
[illegible]	**4-Methylumbelliferone** PROSYNTH® [illegible] assay [illegible] melting range 185–187 °C	WG [illegible]	250 g	69.—	58.6[illegible]
[illegible]	**Methyl undecanoate** min. 99.5% for gas chromatography [illegible]	FL [illegible]	5 ml	49.25	41.85
	Methylundecyl ketone see Tridecanone-(2)				
[illegible]	**6-Methyluracil** BIOSYNTH® [illegible] assay [illegible]	WG [illegible]	100 g	46.50	39.55
[illegible]	**Methylurea** PROSYNTH® [illegible] assay [illegible] 99% melting range [illegible] °C	PF [illegible]	500 g	60.—	51.—
	3-Methylvaleraldehyde see 3-Methylpentanal				
[illegible]	**Methyl valerate** min. 99.5% for gas chromatography [illegible] T.L. = [illegible] kg	FL [illegible]	5 ml	49.25	41.85
	1-Methyl-2-vinylbenzene see [illegible]				
	1-Methyl-3-vinylbenzene see [illegible]				
	1-Methyl-4-vinylbenzene see [illegible]				

[illegible]

	Type of package B.T.N.	Price per package DM	1x	5x	25x	50x
vinyl ketone 90% in water PROSYNTH® stabilized hydroquinone (1 g/l), acetic acid (1 g/l) and onitrile (0.5 g/l)	FL 2913	250 ml	45.25	38.45	36.20	33.85
hylvinylcetone / Metilvinilcetona						
[illegible] M = 76.06 g/mol 1 L ≈ 0.86 kg						
[illegible]						
g range ..... 80 – 82 °C						
tive index (n_D^{20}) 1,413						
R: 11 S: 7-16 disposal: 6						
l violet 6 B (C. I. No. 42535)	WG	25 g	9.50	8.10	7.60	7.15
et de methyle 6 B / Violeta de metilo 6 B	WG 2208	100 g	18.–	15.30	14.40	13.50
l viologen redox indicator *hylviologene / Metilviologeno*	FL 3205	1 g	30.25	25.70	24.20	22.70
CHNCH₃(Cl) = CHCH = CC = CHCH = NCH₃(Cl)CH = CH						
$_4Cl_2N_2$ M = 257.16 g/mol						
lyellow(di) see 4-Dimethylaminoazobenzene						
romuron min. 99% PESTANAL® [3-(4-Bromophenyl)-1 hoxy-1-methylurea]	FL 2925	1 g	28.25	24.–	22.60	21.20
$_4NHCONH(OCH_3)CH_3$						
$_7BrN_2O_2$ M = 259.10 g/mol						
see ECOL®	FL 2913	2 g	56.50	48.05	45.20	42.40
phos mixture of *cis*-and *trans*-isomers min. 99% STANAL® (O,O-Dimethyl-O-[2-methoxycarbonyl-1-thylvinyl]-phosphoric acid ester						
$_3O_2PO(OCH_3) = CHCOOCH_3$						
$_8O_6P$ M = 224.15 g/mol						
o in refrigerator						
ocker dans le frigidaire						
acenaje en la nevera						
R: 26/27/28 S: 1-13-28-45 disposal: 7						
see Methyl *iso*-butyl ketone						
aelis, standard acetate solution according to chaelis see Buffer solution pH 4.62 (sodium etate/acetic acid) according to Michaelis						
cosmic salt see Sodium ammonium hydrogen osphate						
-Vessel (glass) see Vessel (glass)						
sugar see D(+)-Lactose						
n's reagent on proteines *actif de Millon de l'albumine / Reactivo de Millon de la umina*	FL 3913	250 ml	80.–	68.–	64.–	60.–
1 L ≈ 1.54 kg						
R: 26/27/28-33 S: 1/2-13-28-45 disposal: 26						
m see Lead(II,IV) oxide						
ne oil see Nitrobenzene						
d indicator see Cooper's indicator						
's salt see Ammonium iron(II) sulphate						

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)
31811	**Molecular sieve** 0,3 nm (3Å), pearl-shaped, grain-size abt. 2 mm *Tamis moléculaire / Tamiz molecular*	BL. *3819*	1 kg	82,—	69,70	65,60
31812	**Molecular sieve** 0,4 nm (4Å), pearl-shaped, grain-size abt. 2 mm *Tamis moléculaire / Tamiz molecular*	BL. *3819*	1 kg	82,—	69,70	65,60
31813	**Molecular sieve** 0,5 nm (5Å), pearl-shaped, grain-size abt. 2 mm *Tamis moléculaire / Tamiz molecular*	BL. *3819*	1 kg	82,—	69,70	65,60
31814	**Molecular sieve** 0,5 nm (5 Å) grain-size abt. 0,5 mm for gas chromatography *Tamis moléculaire / Tamiz molecular*	BL. *3819*	50 g	9,50	8,10	7,60
13309	**Molybdenum** chem. pure powder *Molybdène / Molibdeno* Mo $M = 95{,}94$ g/mol assay ..... 99,7% residue on chloration ..... 0,05% copper (Cu) ..... 0,005% iron (Fe) 0,005%	PF. PF. *8102*	100 g 500 g	price on request price on request		
38632	**0,100 g Molybdenum** FIXANAL® water-soluble standard for atom absorption *0,100 g Molybdène / 0,100 g Molibdeno* ampoule	*3819*	1 pack	10,25	8,70	8,20
38668 A 3/3 C 3.3 1115 2 +25 °C	**0,100 g** *organo*-**Molybdenum** FIXANAL® petroleum ether-soluble standard for atom absorption *0,100 g organo-Molybdène / 0,100 g organo-Molibdeno* ampoule R: 10	*3819*	1 pack	33,75	28,70	27,—
38568	**1,00 g Molybdenum** FIXANAL® watersoluble standard for atom absorption *1,00 g Molybdène / 1,00 g Molibdeno* ampoule	*3819*	1 pack	10,25	8,70	8,20
10437 A 8/12 C 8 2508 3	**Molybdenum(V) chloride** *Molybdène(V) chlorure / Molibdeno(V) cloruro* $MoCl_5$ $M = 273{,}21$ g/mol	WG. *2830*	100 g	price on request		
64720 A 6.1/5 C 6.1 2811 2	**Molybdenumhexacarbonyl** PROSYNTH® *Molybdènehexacarbonyle / Molibdenohexacarbonilo* $Mo(CO)_6$ C_6MoO_6 $M = 264{,}00$ g/mol assay (ex Mo) ..... 99% melting range ..... 148—150 °C (disint.) R: 23/24/25 S: 44 disposal: 10	WG. *2934*	50 g	price on request		
31427	**Molybdenum(VI) oxide** R. G. *Molybdène(VI) oxyde / Molibdeno(VI) óxido* MoO_3 $M = 143{,}94$ g/mol assay of MoO_3 ..... min. 99,5% ammonium (NH_4) ..... max. 0,005% lead (Pb) ..... max. 0,001% iron (Fe) ..... max. 0,0005% chloride (Cl) ..... max. 0,002% phosphate, arsenate and silicate (as PO_4) max. 0,002% sulphate (SO_4) ..... max. 0,01%	PF. PF. *2828*	100 g 500 g	price on request price on request		

refer explanations

ber / S / E (GGVSee)	Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
Molybdenum(VI) oxide chem. pure *Molybdène(VI) oxyde / Molibdeno(VI) óxido* MoO_3 $M = 143,94$ g/mol assay ..... 99% ammonium (NH_4) ..... 0,01% iron (Fe) ..... 0,002% chloride (Cl) ..... 0,005% phosphate, arsenate, silicate (as PO_4) ..... 0,002% sulphate (SO_4) 0,02%	PF. PF. *2828*	250 g 1 kg	price on request price on request			
Molybdenum(IV) sulphide chem. pure powder *Molybdène(IV) sulfure / Molibdeno(IV) sulfuro* MoS_2 $M = 160,07$ g/mol assay ..... 99,5% silicic acid (SiO_2) 0,05%	PF. PF. PF. *2601*	100 g 250 g 1 kg	price on request price on request price on request			
Molybdenum(IV) sulphide powder *Molybdène(IV) sulfure / Molibdeno(IV) sulfuro* MoS_2 $M = 160,07$ g/mol assay of MoS_2 ..... 95% insoluble in acid 5%	PF. *2601*	500 g	price on request			
Molybdenyl acetylacetonate PROSYNTH® *Molybdényle acétylacétonate / Molibdenilo acetilacetonato* $C_{10}H_{14}MoO_6$ $M = 326,16$ g/mol assay (ex Mo) ..... 99% melting range ..... 179—181 °C (disint.)	WG. *2934*	100 g	price on request			
Molybdic acid abt. 85% MoO_3 (commercial grade, contains ammonium molybdate) *Acide molybdique / Acido molíbdico* assay of MoO_3 ..... 85% assay of ammonium (NH_4) ..... 7% iron (Fe) ..... 0,005% chloride (Cl) ..... 0,01% phosphate, arsenate, silicate (as PO_4) ..... 0,005% sulphate (SO_4) 0,02%	WG. WG. WG. *2828*	100 g 500 g 1 kg	price on request price on request price on request			

Molybdic anhydride see Molybdenum(VI) oxide

α-Monoacetine see Glycerol-1-monoacetate

Monobromoacetic acid see Bromoacetic acid

Monobromobenzene see Bromobenzene

Monobutylamine see *n*-Butylamine

Monocalcium phosphate see Calciumbis(dihydrogen phosphate)

α-Monochlorhydrin see 3-Chloropropanediol-(1,2)

Monochloroacetic acid see Chloroacetic acid

Monochlorobenzene see Chlorobenzene mono

Monochlorophenol see 2-Chlorophenol

Monodeuteroacetic acid see Acetic acid-D_1

Monodeuteroethanol see Ethanol-D_1

Monodeuteroethanol absolute see Ethanol-D_1 absolute

Monodeuteromethanol see Methanol-D_1

Monodeuteromethanol see Methanol-D_1

Monoethanolamine see 2-Aminoethanol

Monoethylamine solution see Ethylamine solution

Monoiodoethane see Iodoethane

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)
35744	**Monolinuron** min. 99% PESTANAL® [3-(4-Chlorophenyl)-1-methoxy-1-methylurea] $ClC_6H_4NHCON(OCH_3)CH_3$ $C_9H_{11}ClN_2O_2$ $M = 214{,}65$ g/mol R: 20/21/22 S: 2-13 disposal: 7	FL. *2925*	1 g	21,50	18,30	17,20
	Monomethylamine solution see Methylamine solution					
	Monomethyl-p-aminophenol sulphate see ECOL®					
	Monomethylaniline see Methylaniline					
	Monomethylethanolamine see N-Methylethanolamine					
64669	**Monomethyl malonate potassium salt** PROSYNTH® *Monométhyle malonate sel potassique / Monometilo malonato sal potásica* CH_3OCOCH_2COOK $C_4H_5KO_4$ $M = 156{,}18$ g/mol assay 99%	PF. *2915*	50 g	58,50	49,75	46,80
	Mononitronaphthalene see 1-Nitronaphthalene					
	Monopotassium phosphate see Potassium dihydrogen phosphate					
	Mono-*iso*-propylamine solution see *iso*-Propylamine solution					
	Monosodium phosphate see Sodium dihydrogen phosphate					
	Monotertiary-butylpyrocatechol see 4-*tert.*-Butylpyrocatechol					
35819	**Monuron** min. 99% PESTANAL® [3-(4-Chlorophenyl)-1,1-dimethyl-urea] $ClC_6H_4NHCON(CH_3)_2$ $C_9H_{11}ClN_2O$ $M = 198{,}65$ g/mol	FL. *2925*	1 g	28,25	24,—	22,60
	Mordant black 11 see Eriochrome black T					
33413	**Morin** R. G. (C. I. No. 75660, S. No. 1366) *Morine / Morina* $OC_6H_2(OH)_2COC(OH)=CC_6H_3(OH)_2 \cdot 2H_2O$ $C_{15}H_{10}O_7 \cdot 2H_2O$ $M = 338{,}27$ g/mol melting point ..... abt. 290 °C sulphated ash ..... max. 1% suitability for determination of aluminium . passes test	WG. WG. *3205*	5 g 10 g	18,75 32,—	15,95 27,20	15,— 25,60
15740 A 8/35 C 3.3 2054 2 +38 °C	**Morpholine** *Morpholine / Morfolina* $NHCH_2CH_2OCH_2CH_2$ C_4H_9NO $M = 87{,}12$ g/mol **1 L ≈ 1,00 kg** assay ..... 99% boiling range ..... 127—129 °C density (D_4^{20}) ..... 1,001—1,002 refractive index (n_D^{20}) ..... 1,4530—1,4550 R: 10-20/21/22-34 S: 23-36 disposal: 19	FL. FL. STP. *2935*	500 ml 2,5 L 55 kg	12,75 48,75 price on request	10,85 40,45	10,20 38,05
33751	**MTT** (Dimethylthiazolyldiphenyltetrazolium bromide)	FL. *2930*	1 g	65,50	55,70	52,40
64834	**Mucic acid** PROSYNTH® *Acide mucique / Acido múcico* $HOOC(CHOH)_4COOH$ $C_6H_{10}O_8$ $M = 210{,}14$ g/mol assay (alkalimetric) ..... 99% melting range ..... 211—213 °C (disint.)	WG. *2916*	100 g	28,—	23,80	22,40

Number OR GGVS CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	Mucobromic acid PROSYNTH® *Acide mucobromique / Acido mucobrómico* OHCCBr = CBrCOOH $C_4H_2Br_2O_3$ M = 257,87 g/mol assay (alkalimetric) ..... 97 % melting range ..... 123 – 126 °C	WG. *2916*	25 g	38,–	32,30	30,40	28,50
	Mucochloric acid PROSYNTH® *Acide mucochlorique / Acido mucoclórico* OHCCCl = CClCOOH $C_4H_2Cl_2O_3$ M = 168,96 g/mol assay (alkalimetric) ..... 95 % melting range ..... 125 – 127 °C	WG. *2916*	50 g	24,75	21,05	19,80	18,55
	Murexide for complexometry (C. I. No. 56085, S. No. 1138) *Murexide / Murexida* ÇONHCONHCOÇ = NÇ(ONH$_4$)NHCONHÇO · H_2O $C_8H_8N_6O_6 \cdot H_2O$ M = 302,20 g/mol	WG. WG. WG. *2926*	5 g 10 g 25 g	11,– 18,– 40,–	9,35 15,30 34,–	8,80 14,40 32,–	8,25 13,50 30,–
	Muriatic acid see Hydrochloric acid						
	Muthmann's liquid see 1,1,2,2-Tetrabromoethane						
	Myrcene see 7-Methyl-3-methylene-1,6-octadiene						
	Myristic acid PROSYNTH® *Acide myristique / Acido mirístico* $CH_3(CH_2)_{12}COOH$ $C_{14}H_{28}O_2$ M = 228,37 g/mol assay (GC) ..... 94 % melting range ..... 52 – 54 °C	PF. *2914*	1 kg	36,75	31,25	29,40	28,30
	Myristic acid nitrile see Myristonitrile						
	Myriston see Ditridecyl ketone						
	Myristonitrile PROSYNTH® *Nitrile myristique / Miristoílo nitrilo* $CH_3(CH_2)_{12}CN$ $C_{14}H_{27}N$ M = 209,37 g/mol **1 L ≈ 0,83 kg** assay (GC) ..... 99 % boiling range (at 133 mbar) ..... 225 – 227 °C refractive index (n_D^{20}) 1,441	FL. *2927*	50 ml	27,75	23,60	22,20	20,80
	Myristoyl chloride PROSYNTH® *Myristoyle chlorure / Miristoílo cloruro* $CH_3(CH_2)_{12}COCl$ $C_{14}H_{27}ClO$ M = 246,82 g/mol **1 L ≈ 0,91 kg** assay ..... 98 % boiling range (at 21 mbar) ..... 173 – 175 °C refractive index (n_D^{25}) 1,446	FL. *2914*	100 ml	46,50	39,55	37,20	34,90
	Myristyl alcohol see Tetradecyl alcohol						
	NAA see Naphthylacetic acid						
	NADP see Nicotinamide adenine dinucleotide phosphate						
	Naphtha see Petroleum ether (petroleum benzine)						
	Naphthaldehyde-(1) PROSYNTH® *Naphtaldéhyde-(1) / Naftaldehido-(1)* $C_{10}H_7CHO$ $C_{11}H_8O$ M = 156,18 g/mol **1 L ≈ 1,14 kg** assay (GC) ..... 98 % boiling range (at 13 mbar) ..... 148 – 150 °C refractive index (n_D^{20}) 1,651	FL. *2911*	25 ml	57,–	48,45	45,60	42,75

HYDRANAL® a new Karl Fischer reagent

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Box
63672	**Naphthaldehyde-(2)** PROSYNTH® *Naphtaldéhyde-(2) / Naftaldehido-(2)* $C_{10}H_7CHO$ $C_{11}H_8O$ *M* = 156,18 g/mol assay (GC) ..... 98% melting range ..... 58–60 °C	WG. *2911*	10 g	63,50	54,–	50,80	47,
56018 A 4.1/11B C 4.1 1334 3	**Naphthalene** for scintillation *Naphtalène / Naftaleno* $C_{10}H_8$ *M* = 128,17 g/mol	WG. *2901*	500 g	31,75	27,–	25,40	24,
15801 A 4.1/11B C 4.1 1334 3	**Naphthalene** pure white scales *Naphtalène / Naftaleno* $C_{10}H_8$ *M* = 128,17 g/mol melting range ..... 79–84 °C sulphated ash ..... 0,05% phenols ..... passes test foreign organic matters ..... passes test	BL. BL. S. *2901*	1 kg 2,5 kg 50 kg	17,50 36,25 price on request	14,90 30,10	14,– 28,30	13, 27,
09061 A 4.1/11B C 4.1 1334 3	**Naphthalene-d_8** deuteration degree not less than 99 atom% D *Naphtalène-d_8 / Naftaleno-d_8* $C_{10}D_8$ *M* = 136,11 g/mol	*2851*					
62850	**Naphthalene-1-carboxylic acid** PROSYNTH® *Acide naphtalène-1-carboxylique / Acido naftalenocarboxílico-(1)* $C_{10}H_7COOH$ $C_{11}H_8O_2$ *M* = 172,18 g/mol assay (alkalimetric) ..... 98% melting range ..... 159–161 °C	PF. *2914*	100 g	65,50	55,70	52,40	49,
62851	**Naphthalene-2-carboxylic acid** PROSYNTH® *Acide naphtalène-2-carboxylique / Acido naftalenocarboxílico-(2)* $C_{10}H_7COOH$ $C_{11}H_8O_2$ *M* = 172,18 g/mol assay (alkalimetric) ..... 98% melting range ..... 182–185 °C	WG. *2914*	10 g	16,–	13,60	12,80	12,
	Naphthalenecarboxylic acid chloride see Naphthoyl chloride						
63344 A 6.1/21G C 6.1 2811 2	**Naphthalenediamine-(1,5)** PROSYNTH® *Naphtalènediamine-(1-5) / Naftalenodiamina-(1,5)* $C_{10}H_6(NH_2)_2$ $C_{10}H_{10}N_2$ *M* = 158,20 g/mol assay (HPLC) ..... 98% melting range ..... 186–188 °C	WG. *2922*	50 g	35,75	30,40	28,60	26,
62854 A 6.1/21G C 6.1 2811 2	**Naphthalenediamine-(1,8)** PROSYNTH® *Naphtalènediamine-(1-8) / Naftalenodiamina-(1,8)* $C_{10}H_6(NH_2)_2$ $C_{10}H_{10}N_2$ *M* = 158,20 g/mol	WG. *2922*	25 g	12,–	10,20	9,60	9,
64110	**Naphthalene-(2,3)-dicarboxylic acid** PROSYNTH® *Acide naphtalènedicarboxylique-(2-3) / Acido naftalenodicarboxílico-(2,3)* $C_{10}H_6(COOH)_2$ $C_{12}H_8O_4$ *M* = 216,19 g/mol assay (alkalimetric) ..... 97% melting range ..... 239–241 °C	WG. *2915*	5 g	36,–	30,60	28,80	27,
	Naphthalenediol see also Dihydroxynaphthalene						

refer explanations

le-Number ID/ADR GVE/GGVS MDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
322	**1,3-Naphthalenediol** PROSYNTH® *Naphtalènediol-(1-3) / 1,3-Naftalenodiol* $C_{10}H_6(OH)_2$ $C_{10}H_8O_2$ $M = 160{,}17$ g/mol assay (GC) ..... 98% melting range ..... 123–125 °C	WG. *2906*	5 g	69,–	58,65	55,20	51,75
321	**1,4-Naphthalenediol** PROSYNTH® *Naphtalènediol-(1-4) / 1,4-Naftalenodiol* $C_{10}H_6(OH)_2$ $C_{10}H_8O_2$ $M = 160{,}17$ g/mol assay (HPLC) ..... 95% melting range ..... 187–190 °C (disint.)	WG. *2906*	10 g	37,75	32,10	30,20	28,30
855	**1,5-Naphthalenediol** PROSYNTH® *Naphtalènediol-1-5 / 1,5-Naftalenodiol* $C_{10}H_6(OH)_2$ $C_{10}H_8O_2$ $M = 160{,}17$ g/mol assay (GC) ..... 99% melting range ..... 260–262 °C	PF. *2906*	100 g	18,50	15,75	14,80	13,90
980	**1,6-Naphthalenediol** PROSYNTH® *Naphtalènediol-1-6 / Naftalenodiol-1,6* $C_{10}H_6(OH)_2$ $C_{10}H_8O_2$ $M = 160{,}17$ g/mol	WG. *2906*	50 g	43,50	37,–	34,80	32,65
981	**1,7-Naphthalenediol** PROSYNTH® *Naphtalènediol-1-7 / Naftalenodiol-1,7* $C_{10}H_6(OH)_2$ $C_{10}H_8O_2$ $M = 160{,}17$ g/mol assay (HPLC) ..... 95% melting range ..... 176–178 °C	WG. *2906*	100 g	39,25	33,35	31,40	29,45
856	**2,3-Naphthalenediol** PROSYNTH® *Naphtalènediol-2-3 / 2,3-Naftalenodiol* $C_{10}H_6(OH)_2$ $C_{10}H_8O_2$ $M = 160{,}17$ g/mol assay (GC) ..... 98% melting range ..... 162–164 °C	WG. *2906*	100 g	48,75	41,45	39,–	36,55
823	**2,6-Naphthalenediol** PROSYNTH® *Naphtalènediol-(2-6) / Naftalenodiol-(2,6)* $C_{10}H_6(OH)_2$ $C_{10}H_8O_2$ $M = 160{,}17$ g/mol assay (HPLC) ..... 96% melting range ..... 214–217 °C	WG. *2906*	5 g	56,–	47,60	44,80	42,–
857	**2,7-Naphthalenediol** PROSYNTH® *Naphtalènediol-2-7 / 2,7-Naftalenodiol* $C_{10}H_6(OH)_2$ $C_{10}H_8O_2$ $M = 160{,}17$ g/mol assay (GC) ..... 95% melting range ..... 181–184 °C	WG. *2906*	100 g	31,75	27,–	25,40	23,80
	α-Naphthalene monobromide see 1-Bromonaphthalene						
673	**Naphthalene-1,4,5,8-tetracarboxylic acid** PROSYNTH® *Acide naphtalène-1-4-5-8-tétracarboxylique / Acido naftalenotetracarboxílico-(1,4,5,8)* $C_{10}H_4(COOH)_4$ $C_{14}H_8O_8$ $M = 304{,}21$ g/mol assay (alkalimetric) 90%	WG. *2915*	25 g	27,–	22,95	21,60	20,25
	Naphthamine G see Titan yellow						
3674	**Naphthidine** PROSYNTH® *Naphtidine / Naftidina* $C_{20}H_{16}N_2$ $M = 284{,}36$ g/mol assay (ex N) ..... 97% melting range ..... 198–200 °C	FL. *2922*	1 g	43,75	37,20	35,–	32,80

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	Naphthine see β-Naphthoquinoline						
33918	**α-Naphthoflavon** redox indicator *α-Naphtoflavone / α-Naftoflavona* $C_{10}H_6OC(C_6H_5)=CHCO$ $C_{19}H_{12}O_2$ $M = 272{,}30$ g/mol	FL. *3205*	1 g	24,75	21,05	19,80	18,
	Naphthoic acid-(2) see Naphthalene-2-carboxylic acid						
	Naphthoic acid-chloride see Naphthoyl chloride						
33420	**Naphthol-(1)** R. G., Reag. Ph. Eur. I *Naphtol-(1) / Naftol-(1)* $C_{10}H_7(OH)$ $C_{10}H_8O$ $M = 144{,}17$ g/mol assay (GC) ..... min. 99% melting range ..... 95–97 °C sulphated ash ..... max. 0,05% iron (Fe) ..... max. 0,001% heavy metals (as Pb) ..... max. 0,001% chloride (Cl) ..... max. 0,005% naphthalene ..... max. 0,2% naphthol-(2) ..... max. 0,5%	WG. WG. *2906*	100 g 250 g	20,25 40,75	17,20 34,65	16,20 32,60	15, 30,
35825	**Naphthol-(1)** min. 99% PESTANAL® *Naphtol-(1) / Naftol-(1)* $C_{10}H_7(OH)$ $C_{10}H_8O$ $M = 144{,}17$ g/mol	FL. *2906*	5 g	14,25	12,10	11,40	10,
15802	**Naphthol-(1)** recryst. Erg. B. 6 *Naphtol-(1) / Naftol-(1)* $C_{10}H_7(OH)$ $C_{10}H_8O$ $M = 144{,}17$ g/mol	WG. WG. FTP. *2906*	100 g 500 g 50 kg	12,75 39,25 price on request	10,85 33,35	10,20 31,40	9, 30,
15803	**Naphthol-(1)** purified *Naphtol-(1) / Naftol-(1)* $C_{10}H_7(OH)$ $C_{10}H_8O$ $M = 144{,}17$ g/mol	WG. BL. FTP. *2906*	500 g 2,5 kg 50 kg	29,75 121,— price on request	25,30 100,45	23,80 94,40	22, 90,
33422	**Naphthol-(2)** R. G., Reag. Ph. Eur. I *Naphtol-(2) / Naftol-(2)* $C_{10}H_7(OH)$ $C_{10}H_8O$ $M = 144{,}17$ g/mol assay (GC) ..... min. 99% melting range ..... 121–123 °C sulphated ash ..... max. 0,05% iron (Fe) ..... max. 0,001% heavy metals (as Pb) ..... max. 0,001% chloride (Cl) ..... max. 0,005% naphthalene ..... max. 0,1% naphthol-(1) ..... max. 0,1% R: 20/22 S: 24/25 disposal: 6	WG. WG. *2906*	100 g 250 g	13,75 27,75	11,70 23,60	11,— 22,20	10, 20,
15805	**Naphthol-(2)** purified powder *Naphtol-(2) / Naftol-(2)* $C_{10}H_7(OH)$ $C_{10}H_8O$ $M = 144{,}17$ g/mol R: 20/22 S: 24/25 disposal: 6	WG. WG. BL. S. *2906*	500 g 1 kg 2,5 kg 50 kg	21,50 39,25 87,— price on request	18,30 33,35 72,20	17,20 31,40 67,85	16, 30, 65,
15871	**Naphthol-(2)** scales *Naphtol-(2) / Naftol-(2)* $C_{10}H_7(OH)$ $C_{10}H_8O$ $M = 144{,}17$ g/mol R: 20/22 S: 24/25 disposal: 6	BL. S. *2906*	2,5 kg 25 kg	76,50 price on request	63,50	59,65	57,

Number ADR E/GGVS G-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	Naphtholaminosulphonic acid see 1-Amino-2-hydroxy-4-naphthalenesulphonic acid						
4	**Naphthol-(1)-benzein** R. G., Reag. Ph. Eur. I *Naphtol-1-benzéine / Naftol-1-benceína* $(C_{10}H_6OH)_2C(OH)C_6H_5$ $C_{27}H_{20}O_3$ $M = 392{,}45$ g/mol	WG. *2906*	5 g	13,—	11,05	10,40	9,75
6	**2-Naphthol-3,6-disulphonic acid disodium salt** PROSYNTH® *Acide 2-naphtol-3-6-disulfonique sel disodique / Acido 2-naftol-3,6-disulfónico sal disódica* $HOC_{10}H_5(SO_3Na)_2$ $C_{10}H_6Na_2O_7S_2$ $M = 348{,}26$ g/mol	WG. *2907*	100 g	16,25	13,80	13,—	12,20
7	**Naphthol green B** for metal titration (C. I. No. 10020, S. No. 5) *Vert naphtol B / Verde de naftol B* $C_{30}H_{15}FeN_3Na_3O_{15}S_3$ $M = 878{,}47$ g/mol	WG. WG. *3205*	50 g 100 g	11,25 20,—	9,55 17,—	9,— 16,—	8,45 15,—
	2-Naphthol methylether see 2-Methoxynaphthalene						
4	α-**Naphtholphthalein** indicator *α-Naphtolphtaléine / α-Naftolftaleína* $C_{28}H_{18}O_4$ $M = 418{,}45$ g/mol	WG. *2935*	10 g	131,50	111,80	105,20	98,65
4	**Naphthol yellow S** for microscopy *Jaune de naphtol S / Amarillo de naftol S* $(NO_2)_2C_{10}H_4(ONa)SO_3Na$ $C_{10}H_4N_2Na_2O_8S$ $M = 358{,}20$ g/mol	*3205*					
5 21 2811 2	**1-Naphthonitrile** PROSYNTH® *1-Naphtonitrile / 1-Naftonitrilo* $C_{10}H_7CN$ $C_{11}H_7N$ $M = 153{,}18$ g/mol assay (GC) ..... 99% melting range ..... 34—36 °C	WG. *2927*	50 g	31,25	26,55	25,—	23,45
8 21 2811 2	**2-Naphthonitrile** PROSYNTH® *2-Naphtonitrile / 2-Naftonitrilo* $C_{10}H_7CN$ $C_{11}H_7N$ $M = 153{,}18$ g/mol	WG. *2927*	5 g	40,75	34,65	32,60	30,55
7	β-**Naphthoquinoline** R. G. (Naphthine) *β-Naphtoquinoléine / β-Naftoquinolina* $C_{13}H_9N$ $M = 179{,}22$ g/mol assay ..... min. 99% melting range ..... 90—93 °C insoluble in ethanol ..... max. 0,005% sulphated ash ..... max. 0,1% suitability for determination of metals ..... passes test	PF. *2935*	25 g	56,50	48,05	45,20	42,40
05 22 2811 3	**1,2-Naphthoquinone** PROSYNTH® *Naphtoquinone-1-2 / 1,2-Naftoquinona* $C_{10}H_6O_2$ $M = 158{,}16$ g/mol assay (HPLC) ..... 93% melting range ..... 132—135 °C (disint.)	WG. *2913*	5 g	43,25	36,75	34,60	32,45

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64727 A 6.1/22 C 6.1 2811 3	**1,4-Naphthoquinone** PROSYNTH® *Naphtoquinone-1-4 / 1,4-Naftoquinona* $C_6H_4COCH=CHCO$ $C_{10}H_6O_2$ $M = 158{,}16$ g/mol assay (HPLC) ..... 97% melting range ..... 119–122 °C R: 23/25-36/37/38 S: 26-28-44 disposal: 6	PF. *2913*	250 g	30,25	25,70	24,20	22
	1,2-Naphthoquinone-4-sulphonic acid sodium salt see Sodium naphthoquinone-1,2-sulphonate-(4)						
	Naphthoresorcinol see Naphthalenediol-(1,3)						
65057	**1,8-Naphthosultone** PROSYNTH® *1,8-Naphtosultone / 1,8-Naftosultono* $OC_{10}H_6SO_2$ $C_{10}H_6O_3S$ $M = 206{,}22$ g/mol assay (HPLC) ..... 95% melting range ..... 154–157 °C (disint.)	PF. *2937*	250 g	31,25	26,55	25,—	23
62852 A 8/22 C 8 1760 2	**1-Naphthoyl chloride** PROSYNTH® *1-Naphtoyle chlorure / 1-Naftoilo cloruro* $C_{10}H_7COCl$ $C_{11}H_7ClO$ $M = 190{,}63$ g/mol **1 L ≈ 1,27 kg** assay ..... 98% boiling range (at 20 mbar) ..... 170–172 °C refractive index (n_D^{20}) 1,652	FL. *2914*	50 ml	120,50	102,45	96,40	90
62853 A 8/12 C 8 1759 2	**2-Naphthoyl chloride** PROSYNTH® *2-Naphtoyle chlorure / 2-Naftoilo cloruro* $C_{10}H_7COCl$ $C_{11}H_7ClO$ $M = 190{,}63$ g/mol **1 L ≈ 1,26 kg** assay ..... 98% melting range ..... 50–52 °C	FL. *2914*	50 ml	138,50	117,75	110,80	103
63676	**1-Naphthylacetamide** PROSYNTH® *1-Naphtylacétamide / 1-Naftilacetamida* $C_{10}H_7CH_2CONH_2$ $C_{12}H_{11}NO$ $M = 185{,}23$ g/mol assay (ex N) ..... 98% melting range ..... 180–183 °C	WG. *2925*	50 g	32,50	27,65	26,—	24
39105	**1-Naphthyl acetate** BIOSYNTH® *1-Naphtyle acétate / 1-Naftilo acetato* $CH_3COOC_{10}H_7$ $C_{12}H_{10}O_2$ $M = 186{,}21$ g/mol melting range ..... 45–47 °C keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	WG. *2914*	50 g	80,—	68,—	64,—	60
39106	**2-Naphthyl acetate** BIOSYNTH® *2-Naphtyle acétate / 2-Naftilo acetato* $CH_3COOC_{10}H_7$ $C_{12}H_{10}O_2$ $M = 186{,}21$ g/mol melting range ..... 66–68 °C keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	WG. *2914*	50 g	32,50	27,65	26,—	24
35745 A 6.1/83 C 6.1 ./. 3	**Naphthyl-(1)-acetic acid** min. 99% PESTANAL® (Naphthalene-1-acetic acid) *Acide naphtyl-(1)-acétique / Acido naftil-(1)-acético* $C_{10}H_7CH_2COOH$ $C_{12}H_{10}O_2$ $M = 186{,}21$ g/mol R: 22 S: 24/25 disposal: 7	FL. *2914*	1 g	19,50	16,60	15,60	14

refer explanations

-Number /ADR /E/GGVS G-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
9	**Naphthyl-(1)-acetic acid** PROSYNTH® *Acide naphtyl-(1)-acétique / Acido naftil-(1)-acético* $C_{10}H_7CH_2COOH$ $C_{12}H_{10}O_2$ $M = 186{,}21$ g/mol assay (alkalimetric) ..... 98% melting range ..... 129–132 °C R: 22 S: 24/25 disposal: 6	PF. *2914*	100 g	35,50	30,20	28,40	26,65
6	**Naphthyl-(2)-acetic acid** PROSYNTH® *Acide naphtyl-(2)-acétique / Acido naftil-(2)-acético* $C_{10}H_7CH_2COOH$ $C_{12}H_{10}O_2$ $M = 186{,}21$ g/mol assay (alkalimetric) ..... 97% melting range ..... 140–142 °C	WG. *2914*	10 g	41,25	35,05	33,–	30,95
6 83 1615 3	**Naphthyl-(1)-acetic acid methyl ester** min. 99% PESTANAL® (Methyl naphthyl-1-acetate) $C_{10}H_7CH_2COOCH_3$ $C_{13}H_{12}O_2$ $M = 200{,}24$ g/mol	FL. *2914*	2 g	35,75	30,40	28,60	26,80
7	**Naphthyl-(1)-acetic acid methyl ester** PROSYNTH® *Méthyl naphtyl-1-acétate / Metilo naftil-1-acetato* $C_{10}H_7CH_2COOCH_3$ $C_{13}H_{12}O_2$ $M = 200{,}24$ g/mol **1 L ≈ 1,14 kg** assay (GC) ..... 98% boiling range (at 1,3 mbar) ..... 120–122 °C refractive index (n_D^{20}) 1,596	FL. *2914*	50 ml	43,75	37,20	35,–	32,80
6 21G 1650 2	**Naphthylamine-(1)** R. G., Reag. Ph. Eur. I *Naphtylamine-(1) / Naftilamina-(1)* $C_6H_4C(NH_2)=CHCH=CH$ $C_{10}H_9N$ $M = 143{,}19$ g/mol assay (GC) ..... min. 99% melting range ..... 48–50 °C insoluble in acetic acid ..... max. 0,02% sulphated ash ..... max. 0,05% iron (Fe) ..... max. 0,001% heavy metals (as Pb) ..... max. 0,001% naphthylamine-(2) ..... max. 0,5% R: 20/21/22-33 S: 22-36 disposal: 19	WG. WG. *2922*	100 g 500 g	23,50 78,–	20,– 66,30	18,80 62,40	17,65 60,05
9 21G 1650 2	**Naphthylamine-(1)** PROSYNTH® *Naphtylamine-(1) / Naftilamina-(1)* $C_6H_4C(NH_2)=CHCH=CH$ $C_{10}H_9N$ $M = 143{,}19$ g/mol assay (GC) ..... 99% melting range ..... 48–50 °C R: 20/21/22-33 S: 22-36 disposal: 19	WG. WG. *2922*	250 g 1 kg	12,75 37,25	10,85 31,65	10,20 29,80	9,55 28,70
8 36B 2206 2	**Naphthyl-(1)-*iso*-cyanate** PROSYNTH® *Naphtyl-(1)-iso-cyanate / Naftil-(1)-iso-cianato* $C_{10}H_7NCO$ $C_{11}H_7NO$ $M = 169{,}18$ g/mol **1 L ≈ 1,18 kg** assay (GC) ..... 98% boiling range (at 15 mbar) ..... 137–140 °C refractive index (n_D^{20}) ..... 1,633 R: 23/24/25 S: 44 disposal: 6	FL. *2930*	250 ml	32,–	27,20	25,60	24,–

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)
33461	**N-(1-Naphthyl)-ethylenediammonium dichloride** R. G. *N-(1-Naphtyl)-etylènediammonium dichlorure /* *N-(1-Naftil)-etilendiamonio dicloruro* $(C_{10}H_7NH_2CH_2CH_2NH_3)Cl_2$ $C_{12}H_{16}Cl_2N_2$ $M = 259{,}18$ g/mol assay (ex N) ..... min. 99% sulphated ash ..... max. 0,2% suitability for detection of sulphonamides . passes test	WG. WG. *2922*	5 g 25 g	23,— 86,—	19,55 73,10	18,40 68,80
39414	**2-Naphthyl laurate** BIOSYNTH® *Naphtyle-(2)-laurate / Naftilo-(2)-laurato* $CH_3(CH_2)_{10}COOC_{10}H_7$ $C_{22}H_{30}O_2$. $M = 326{,}48$ g/mol	WG. *2914*	5 g	28,50	24,25	22,80
	α-Naphthylmethyl chloride see 1-(Chloromethyl)-naphthalene					
39415	**N-2-Naphthyloxycarbonyl-DL-phenylalanine** BIOSYNTH® *N-2-Naphtyloxycarbonyl-DL-phénylalanine /* *N-2-Naftiloxicarbonil-DL-fenilalanina* package of 100 mg $C_{10}H_7OCONHCH(CH_2C_6H_5)COOH$ $C_{20}H_{17}NO_4$ $M = 335{,}36$ g/mol	*2923*	1 pack	14,25	12,10	11,40
	N-[Naphthyl-(2)]-thioglycollic acid amide see Thionalide					
63678 A 6.1/81D C 6.1 1681 3	**Naphthyl-(1)-thiourea** PROSYNTH® *Naphtyl-(1)-thiourée / Naftil-(1)-tiourea* $C_{10}H_7NHCSNH_2$ $C_{11}H_{10}N_2S$ $M = 202{,}28$ g/mol assay (ex S) ..... 95—98% R: 26/27/28-39 S: 1-13-45 disposal: 6	WG. *2931*	250 g	17,25	14,65	13,80
63544	**Naphtol AS®** PROSYNTH® *Naphtol AS® / Naphtol AS®* ® = trade mark of Hoechst AG $HOC_{10}H_6CONHC_6H_5$ $C_{17}H_{13}NO_2$ $M = 263{,}30$ g/mol assay (HPLC) ..... 93% melting range ..... 246—248 °C	PF. *2923*	250 g	27,75	23,60	22,20
39113	**Naphtol-AS®-acetate** BIOSYNTH® *Naphtol-AS®-acétate / Naphtol-AS®-acetato* ® = trade mark of Hoechst AG $CH_3COOC_{10}H_6CONHC_6H_5$ $C_{19}H_{15}NO_3$ $M = 305{,}33$ g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	WG. *2925*	5 g	48,—	40,80	38,40
18811	**Neatsfoot oil** *Huile de pied de boeuf / Aceite de pata de buey* 1 L ≈ 0,92 kg	FL. EKL. *1506*	1 L 30 kg	51,—	43,35 price on request	40,80
35785	**Neburon** min. 99% PESTANAL® [1-Butyl-3-(3,4-dichlorophenyl)-1-methylurea] $Cl_2C_6H_3NHCON(C_4H_9)CH_3$ $C_{12}H_{16}Cl_2N_2O$ $M = 275{,}18$ g/mol	FL. *2925*	1 g	28,25	24,—	22,60
	Neisser's solution see also Vesuvine solution acc. to Neisser					
32938	**Neisser's solutions** for bacteriology Solution A: Methylene blue solution (1 g/l) *Solutions de Neisser / Soluciones de Neisser* 1 L ≈ 0,99 kg	PF. *3819*	250 ml	17,50	14,90	14,—

umber GVS ODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	Neisser's solutions for bacteriology Solution B: Crystal violet solution (3,33 g/l) *Solutions de Neisser / Soluciones de Neisser* **1 L ≈ 0,99 kg**	PF. *3819*	250 ml	17,50	14,90	14,—	13,15
	Neisser's solutions for bacteriology Solution C: Chrysoidine solution (3,3 g/l) *Solutions de Neisser / Soluciones de Neisser* **1 L ≈ 0,99 kg**	PF. *3819*	250 ml	17,50	14,90	14,—	13,15
	Neocupferron R. G. *Néocupferron / Neocupferrón* $C_{10}H_{11}N_3O_2$ $M = 205,22$ g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 20/21/22 S: 28 disposal: 7	WG. *2929*	10 g	180,—	153,—	144,—	135,—
	Neocuproin R. G. *Néocuproïne / Neocuproína* $C_{14}H_{12}N_2$ $M = 208,26$ g/mol	FL. WG. *2935*	1 g 5 g	14,50 58,—	12,35 49,30	11,60 46,40	10,90 43,50
	Neocuproin hydrochloride R. G. *Néocuproïne chlorhydrate / Neocuproína clorhidrato* $C_{14}H_{12}N_2 \cdot HCl$ $M = 244,72$ g/mol	FL. *2935*	1 g	17,25	14,65	13,80	12,95
	Neodymium lumps *Néodyme / Neodimio* Nd $M = 144,24$ g/mol assay 99%	WG. *2805*	10 g	184,—	156,40	147,20	138,—
1 3	**Neodymium fluoride** *Néodyme fluorure / Neodimio fluoruro* NdF_3 $M = 201,24$ g/mol assay 99%	WG. *2852*	10 g	65,—	55,25	52,—	48,75
7 2	**Neodymium nitrate-5-hydrate** *Néodyme nitrate-5-hydrate / Neodimio nitrato-5-hidrato* $Nd(NO_3)_3 \cdot 5H_2O$ $M = 420,33$ g/mol assay 99%	WG. *2852*	10 g	17,25	14,65	13,80	12,95
	Neodymium oxide *Néodyme oxyde / Neodimio óxido* Nd_2O_3 $M = 336,48$ g/mol assay 99%	PF. *2852*	100 g	122,—	103,70	97,60	91,50
3 2	**Neopentylamine** PROSYNTH® *Néopentylamine / Neopentilamina* $(CH_3)_3CCH_2NH_2$ $C_5H_{13}N$ $M = 87,16$ g/mol **1 L ≈ 0,74 kg** assay (GC) ..... 98% melting range ..... 49—52 °C R: 11-36/37/38 S: 16-26-29 disposal: 19	FL. *2922*	10 ml	30,75	26,15	24,60	23,05

Neopentylglykol see 2,2-Dimethylpropanediol-(1,3)

Neotetrazolium chloride see NTC

Neothorin see Arsenazo I

PANPEHA® universal indicator paper in strips

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)
36053 A 6.1/53 C 6.1 1624 2	**Nessler's reagent** for the determination of ammonium salts (potassium mercury(II) iodide solution) *Réactif de Nessler / Reactivo de Nessler* 1 L ≈ 1,15 kg R: 26/27/28-33 S: 1/2-13-28-45 disposal: 26	PF. PF. *3819*	250 ml 1 L	11,50 30,—	9,80 25,50	9,20 24,—
32660	**Neutral red** (C. I. No. 50040, S. No. 946) redox indicator E_0 at pH 7—0,32 Volt; rH 2—4,5 *Rouge neutre / Rojo neutro* $C_{15}H_{17}ClN_4$ $M = 288{,}78$ g/mol	WG. WG. *3205*	25 g 100 g	25,— 84,—	21,25 71,40	20,— 67,20
	Niacin see Nicotinic acid					
13631	**Nickel** powder *Nickel / Níquel* Ni $M = 58{,}71$ g/mol assay ..... 99,8% iron (Fe) ..... 0,01% carbon (C) ..... 0,08% sulphur (S) ..... 0,001% oxygen (O) 0,15%	PF. PF. *7503*	100 g 1 kg	13,50 101,50	11,50 86,30	10,80 81,20
38612	**0,100 g Nickel** FIXANAL® water-soluble standard for atom absorption *0,100 g Nickel / 0,100 g Niquel* ampoule	*3819*	1 pack	10,25	8,70	8,20
38662 A 3/3 C 3.3 1115 2 +25 °C	**0,100 g** *organo*-**Nickel** FIXANAL® petroleum ether-soluble standard for atom absorption *0,100 g organo-Nickel / 0,100 g organo-Niquel* ampoule R: 10	*3819*	1 pack	33,75	28,70	27,—
38900	**10,00 g Nickel** FIXANAL® as Nickel(II) chloride *10,00 g Nickel / 10,00 g Niquel* ampoule	*3819*	1 pack	18,75	15,95	15,—
38570	**1,00 g Nickel** FIXANAL® watersoluble standard for atom absorption ampoule *1,00 g Nickel / 1,00 g Niquel*	*3819*	1 pack	10,25	8,70	8,20
38905	**10,00 g Nickel** FIXANAL® as Nickel sulphate ampoule *10,00 g Nickel / 10,00 g Niquel*	*3819*	1 pack	18,75	15,95	15,—
31472	**Nickel(II) acetate tetrahydrate** R. G. *Nickel(II) acétate tétrahydrate / Niquel(II) acetato tetrahidrato* $Ni(CH_3COO)_2 \cdot 4H_2O$ $C_4H_6NiO_4 \cdot 4H_2O$ $M = 248{,}85$ g/mol assay ..... min. 99% insoluble in water ..... max. 0,005% iron (Fe) ..... max. 0,005% cobalt (Co) ..... max. 0,2% heavy metals (as Pb) ..... max. 0,005% zinc (Zn) ..... max. 0,02% substances not precipitated by ammonium sulphide (as sulphates) ..... max. 0,2% chloride (Cl) ..... max. 0,003% nitrate (NO_3) ..... max. 0,008% sulphate (SO_4) ..... max. 0,005%	PF. *2914*	250 g	24,25	20,60	19,40

ber / S / E (GGVSee)	Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
Nickel(II) acetate tetrahydrate chem. pure *Nickel(II) acétate tétrahydrate / Niquel(II) acetato tetrahidrato* $Ni(CH_3COO)_2 \cdot 4H_2O$ $C_4H_6NiO_4 \cdot 4H_2O$ $M = 248{,}85$ g/mol assay ..... 99% iron (Fe) ..... 0,002% cobalt (Co) ..... 0,01% copper (Cu) ..... 0,002% chloride (Cl) ..... 0,005% sulphate (SO_4) 0,01%	PF. PF. *2914*	100 g 1 kg	10,25 69,50	8,70 59,10	8,20 55,60	7,70 53,50
Nickel(II) acetate tetrahydrate cryst. *Nickel(II) acétate tétrahydrate / Niquel(II) acetato tetrahidrato* $Ni(CH_3COO)_2 \cdot 4H_2O$ $C_4H_6NiO_4 \cdot 4H_2O$ $M = 248{,}85$ g/mol assay ..... 99% iron (Fe) ..... 0,005% cobalt (Co) ..... 0,1% chloride (Cl) ..... 0,005% sulphate (SO_4) 0,05%	PF. PF. S. *2914*	1 kg 5 kg 40 kg	39,75 166,— price on request	33,80 137,80	31,80 129,50	30,60 124,50
Nickel(II) acetylacetonate PROSYNTH® *Nickel(II) acétylacétonate / Niquel(II) acetilacetonato* $Ni(C_5H_7O_2)_2$ $C_{10}H_{14}NiO_4$ $M = 256{,}92$ g/mol assay (ex Ni) ..... 97% melting range ..... 178—180 °C (disint.)	WG. *2945*	100 g	34,25	29,10	27,40	25,70
Nickel-aluminium alloy for the production of Raney nickel Reag. Ph. Eur. I *Alliage nickel-aluminium / Aleación de niquel-aluminio* assay of Ni ..... 48—52% assay of Al ..... 48—52% chloride (Cl) 0,001%	PF. PF. *7503*	250 g 1 kg	22,75 78,—	19,35 66,30	18,20 62,40	17,05 60,05
Nickel ammonium sulphate see Ammonium nickel sulphate						
Nickel borofluoride see Nickel fluoroborate						
Nickel(II) carbonate, basic see Nickel(II) oxide hydrated						
Nickel chloride-6-hydrate R. G. *Nickel chlorure-6-hydrate / Niquel cloruro-6-hidrato* $NiCl_2 \cdot 6H_2O$ $M = 237{,}70$ g/mol assay ..... 97% moisture ..... max. 3% insoluble in water ..... max. 0,005% pH (5%, 20 °C) ..... 4—6 lead (Pb) ..... max. 0,001% cadmium (Cd) ..... max. 0,005% calcium (Ca) ..... max. 0,005% iron (Fe) ..... max. 0,002% cobalt (Co) ..... max. 0,002% copper (Cu) ..... max. 0,002% magnesium (Mg) ..... max. 0,001% sodium (Na) ..... max. 0,005% zinc (Zn) ..... max. 0,005% sulphate (SO_4) ..... max. 0,005%	PF. FTP. *2830*	1 kg 50 kg	57,50 kg	48,90 33,50	46,—	44,30
Nickel chloride-6-hydrate PURANAL® *Nickel chlorure-6-hydrate / Niquel cloruro-6-hidrato* $NiCl_2 \cdot 6H_2O$ $M = 237{,}70$ g/mol analytical data on request	PF. FTP. *2830*	5 kg 50 kg	price on request price on request			

PEHANAL® universal indicator paper in rolls

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)	Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)
13613 **Nickel chloride-6-hydrate** chem. pure C 6.1 2811 3 *Nickel chlorure-6-hydrate / Níquel cloruro-6-hidrato* $NiCl_2 \cdot 6H_2O$ *M* = 237,70 g/mol assay ..... 97 % pH (5 %, 20 °C) ..... 4—6 arsenic (As) ..... 0,0001 % lead (Pb) ..... 0,001 % cadmium (Cd) ..... 0,005 % iron (Fe) ..... 0,005 % cobalt (Co) ..... 0,01 % copper (Cu) ..... 0,002 % zinc(Zn) ..... 0,005 % sulphate (SO_4) ..... 0,01 %	PF. PF. FTP. *2830*	250 g 1 kg 50 kg	15,75 45,25	13,40 38,45 price on request	12,60 36,20
13612 **Nickel chloride-6-hydrate** pure cryst. C 6.1 2811 3 *Nickel chlorure-6-hydrate / Níquel cloruro-6-hidrato* $NiCl_2 \cdot 6H_2O$ *M* = 237,70 g/mol assay of Ni and Co ..... 23,7 % lead (Pb) ..... 0,002 % iron (Fe) ..... 0,01 % cobalt (Co) ..... 0,5 % copper (Cu) ..... 0,002 %	PF. PF. FTP. *2830*	500 g 5 kg 50 kg	20,25 153,—	17,20 127,— price on request	16,20 119,35
10408 **Nickel(II) fluoride** C 6.1 2811 3 *Nickel(II) fluorure / Níquel(II) fluoruro* NiF_2 *M* = 96,70 g/mol assay ..... 96 %	WG. FTP. *2829*	10 g 50 kg	44,50	37,85 price on request	35,60
01258 **Nickel(II) fluoride-4-hydrate** C 6.1 2811 3 *Nickel(II) fluorure-4-hydrate / Níquel(II) fluoruro-4-hidrato* $NiF_2 \cdot 4H_2O$ *M* = 168,76 g/mol	PF. *2829*	1 kg		price on request	
01510 **Nickel fluoroborate-6-hydrate** pure C 6.1 2811 3 *Nickel fluoroborate-6-hydrate / Níquel fluoroborato-6-hidrato* $Ni(BF_4)_2 \cdot 6H_2O$ *M* = 340,40 g/mol assay ..... 96 % lead (Pb) ..... 0,002 % iron (Fe) ..... 0,005 % copper (Cu) ..... 0,0005 % zinc (Zn) ..... 0,001 % chloride (Cl) ..... 0,005 %	PF. FTP. *2829*	1 kg 50 kg	68,—	57,80 price on request	54,40
01539 **Nickel fluoroborate solution** 31 % for electroplating *Nickel fluoroborate en solution / Níquel fluoroborato en solución* $Ni(BF_4)_2$ *M* = 232,31 g/mol **1 L ≈ 1,33 kg** assay of Ni ..... 7,8—8,0 % free fluoroboric acid (HBF_4) ..... 1—3 % free boric acid (H_3BO_3) ..... 1—2 % lead (Pb) ..... 0,002 % iron (Fe) ..... 0,002 % cobalt (Co) ..... 0,05 % copper (Cu) ..... 0,001 % zinc (Zn) ..... 0,001 % chloride (Cl) ..... 0,002 % sulphate (SO_4) ..... 0,03 %	PF. FPF. *2829*	1 L 35 kg	32,75	27,85 price on request	26,20
Nickel(II) hydroxide see Nickel(II) oxide hydrated					
13610 **Nickel(II) hydroxyde carbonate** chem. pure *Nickel(II) hydroxycarbonate / Níquel(II) hidroxicarbonato* ca. $NiCO_3 \cdot 2Ni(OH)_2 \cdot 4H_2O$ *M* = ca. 376,20 g/mol assay of Ni ..... 45—47 % iron (Fe) ..... 0,005 % cobalt (Co) ..... 0,02 % copper (Cu) ..... 0,002 % substances not precipitated by hydrogen sulphide (as sulphates) ..... 0,3 % chloride (Cl) ..... 0,02 % sulphate (SO_4) ..... 0,005 %	PF. PF. FTP. *2842*	500 g 1 kg 20 kg	38,50 70,50	32,75 59,95 price on request	30,80 56,40

refer explanations

umber R GGVS CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	Nickel(II) hydroxyde carbonate pure *Nickel(II) hydroxycarbonate / Níquel(II) hidroxicarbonato* ca. $NiCO_3 \cdot 2Ni(OH)_2 \cdot 4H_2O$ M = ca. 376,20 g/mol assay of Ni ..... 46% iron (Fe) ..... 0,01% cobalt (Co) ..... 0,4% chloride (Cl) ..... 0,01% sulphate (SO_4) 0,5%	PF. PF. FTP. BLT. *2842*	250 g 1 kg 25 kg 100 kg	20,— 61,— price on request price on request	17,— 51,85	16,— 48,80	15,— 46,95
77 2	**Nickel nitrate-6-hydrate** chem. pure cryst. (max. 0,05% Co) *Nickel nitrate-6-hydrate / Níquel nitrato-6-hidrato* $Ni(NO_3)_2 \cdot 6H_2O$ M = 290,81 g/mol assay ..... 97% lead (Pb) ..... 0,001% iron (Fe) ..... 0,005% cobalt (Co) ..... 0,01% copper (Cu) ..... 0,002% zinc (Zn) ..... 0,05% substances not precipitated by ammonium sulphide (as sulphates) ..... 0,3% chloride (Cl) ..... 0,003% sulphate (SO_4) 0,01%	PF. PF. PF. FPD. *2839*	500 g 1 kg 2,5 kg 50 kg	20,75 38,25 83,50 price on request	17,65 32,50 69,30	16,60 30,60 65,15	16,— 29,45 62,65
77 2	**Nickel nitrate-6-hydrate** pure *Nickel nitrate-6-hydrate / Níquel nitrato-6-hidrato* $Ni(NO_3)_2 \cdot 6H_2O$ M = 290,80 g/mol assay ..... 97% iron (Fe) ..... 0,05% cobalt (Co) 0,1%	PF. PF. FPD. *2839*	1 kg 2,5 kg 50 kg	34,25 74,50 price on request	29,10 61,85	27,40 58,10	26,35 55,90
	Nickel(III) oxide chem. pure *Nickel(III) oxyde / Níquel(III) óxido* Ni_2O_3 M = 165,40 g/mol assay of Ni ..... 70—71% lead (Pb) ..... 0,005% iron (Fe) ..... 0,01% cobalt (Co) ..... 0,02% copper (Cu) ..... 0,002% zinc (Zn) ..... 0,02% chloride (Cl) ..... 0,02% sulphate (SO_4) 0,01%	PF. PF. FTP. *2828*	100 g 1 kg 50 kg	11,50 87,50 price on request	9,80 74,40	9,20 70,—	8,65 67,40
	Nickel(II) oxide hydrate technical *Nickel(II) oxyde hydraté / Níquel(II) óxido hidrato* assay of Ni ..... 60% lead (Pb) ..... 0,02% calcium (Ca) ..... 0,5% iron (Fe) ..... 0,05% cobalt (Co) ..... 1,0—1,5% copper (Cu) ..... 0,05% magnesium (Mg) 0,01%	PF. *2828*	1 kg	77,—	65,45	61,60	59,30
	Nickel phthalocyanine *Nickel phtalocyanine / Níquel ftalocianina* $C_{32}H_{16}N_8Ni$ M = 571,23 g/mol	PF. *2934*	100 g	37,50	31,90	30,—	28,15
	Nickel salt see Ammonium nickel sulphate						
	Nickel sulphamate-4-hydrate for electroplating *Nickel sulfamate-4-hydrate / Níquel sulfamato-4-hidrato* $Ni(SO_3NH_2)_2 \cdot 4H_20$ M = 322,93 g/mol assay ..... 99% pH (5%, 20 °C) ..... 5—7 arsenic (As) ..... 0,0001% lead (Pb) ..... 0,002% calcium (Ca) ..... 0,002% cadmium (Cd) ..... 0,001% iron (Fe) ..... 0,002% cobalt (Co) ..... 0,02% copper (Cu) ..... 0,0005% sodium (Na) ..... 0,01% zinc (Zn) ..... 0,001% chloride (Cl) ..... 0,005% sulphate (SO_4) 0,2%	FTP. *2848*	50 kg	price on request			

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96 (16 Bo
13652	**Nickel sulphamate solution** 11% Ni for electroplating *Nickel sulfamate en solution / Niquel sulfamato en solución* $Ni(SO_3NH_2)_2$ $M = 250,87$ g/mol **1 L ≈ 1,52 kg** assay of Ni ..... 11,0–11,2% pH ..... 3,7–4,5 arsenic (As) ..... 0,0001% ammonium (NH_4) ..... 0,01% lead (Pb) ..... 0,002% calcium (Ca) ..... 0,002% cadmium (Cd) ..... 0,0005% iron (Fe) ..... 0,001% cobalt (Co) ..... 0,01% copper (Cu) ..... 0,0005% sodium (Na) ..... 0,005% zinc (Zn) ..... 0,001% chloride (Cl) ..... 0,005% sulphate (SO_4) 0,1%		PF. FPF. *2848*	1 L 45 kg	36,– price on request	30,60	28,80	27,
13635	**Nickel sulphate** cryst., DIN 50970 H, for nickel plating *Nickel sulfate / Niquel sulfato* $NiSO_4 \cdot 6–7H_2O$ M (anhydrous) = 154,76 g/mol assay Ni and Co ..... min. 20,5% arsenic (As) ..... 0,001% lead (Pb) ..... 0,002% cadmium (Cd) ..... 0,005% iron (Fe) ..... 0,005% cobalt (Co) ..... 0,005% copper (Cu) ..... 0,002% zinc (Zn) 0,005%		PF. PF. S. *2838*	1 kg 5 kg 50 kg	30,– 120,– price on request	25,50 99,60	24,– 93,60	23, 90,
31483	**Nickel sulphate-6-hydrate** R. G., Reag. ACS *Nickel sulfate-6-hydrate / Niquel sulfato-6-hidrato* $NiSO_4 \cdot 6H_2O$ $M = 262,85$ g/mol assay ..... min. 99% insoluble in water ..... max. 0,005% pH (5%, 20 °C) ..... 4–6 lead (Pb) ..... max. 0,001% calcium (Ca) ..... max. 0,005% iron (Fe) ..... max. 0,001% potassium (K) ..... max. 0,005% cobalt (Co) ..... max. 0,002% copper (Cu) ..... max. 0,002% magnesium (Mg) ..... max. 0,01% manganese (Mn) ..... max. 0,0005% sodium (Na) ..... max. 0,01% zinc (Zn) ..... max. 0,002% chloride (Cl) ..... max. 0,001% total nitrogen (N) ..... max. 0,001%		PF. PF. PF. *2838*	100 g 250 g 1 kg	8,75 15,50 51,50	7,45 13,20 43,80	7,– 12,40 41,20	6, 11, 39,
13651	**Nickel sulphate-6-hydrate** chem. pure cryst. *Nickel sulfate-6-hydrate / Niquel sulfato-6-hidrato* $NiSO_4 \cdot 6H_2O$ $M = 262,85$ g/mol assay ..... 99% pH (5%, 20 °C) ..... 4–6 arsenic (As) ..... 0,001% lead (Pb) ..... 0,002% cadmium (Cd) ..... 0,005% iron (Fe) ..... 0,005% cobalt (Co) ..... 0,01% copper (Cu) ..... 0,002% zinc (Zn) ..... 0,005% chloride (Cl) 0,005%		PF. PF. PF. FTP. *2838*	250 g 1 kg 5 kg 50 kg	14,50 41,50 175,– price on request	12,35 35,30 145,25	11,60 33,20 136,50	10, 31, 131,
63679	**Nicotinamide** PROSYNTH® *Nicotinamide / Nicotinamida* $N=CHCH=CHC(CONH_2)=CH$ $C_6H_6N_2O$ $M = 122,13$ g/mol assay ..... 99% melting range ..... 128–131 °C		PF. *2938*	250 g	17,25	14,65	13,80	12,

refer explanations

umber R GGVS CODE (GGVSee)	Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
***iso*-Nicotinamide** PROSYNTH® *iso-Nicotinamide / iso-Nicotinamida* N=CHCH=C(CONH₂)CH=CH $C_6H_6N_2O$ *M* = 122,13 g/mol assay ..... 99% melting range ..... 155–157 °C	WG. *2935*	50 g	60,–	51,–	48,–	45,–
Nicotinamide adenine dinucleotide BIOSYNTH® *Amide nicotinique-adénine-dinucléotide / Nicotinamida-adenina-dinucleótido* keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	FL. *2935*	1 g	49,25	41,85	39,40	36,95
Nicotinamide adenine dinucleotide phosphate disodium salt BIOSYNTH® *Amide nicotinique-adénine-dinucléotide phosphate sel disodique / Nicotinamida-adenina-dinucleótido fosfato sal disódica* package of 25 mg keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	*2935*	1 pack	22,25	18,90	17,80	16,70
Nicotine PROSYNTH® *Nicotine / Nicotina* CH=NCH=CHCH=CCH(CH₂)₃NCH₃ $C_{10}H_{14}N_2$ *M* = 162,24 g/mol 1 L ≈ 1,01 kg assay (GC) ..... 98% boiling range ..... 244–247 °C refractive index (n_D^{20}) ..... 1,525 optical rotation α_D^{20} ..... –54° ± 1° R: 26/27/28 S: 1-13-28-45 disposal: 6	FL. *2942*	100 ml	43,25	36,75	34,60	32,45
Nicotinic acid BIOSYNTH® *Acide nicotinique / Acido nicotínico* N=CHCH=CHC(COOH)=CH $C_6H_5NO_2$ *M* = 123,11 g/mol	PF. *2938*	100 g	14,25	12,10	11,40	10,70
Nicotinic acid PROSYNTH® *Acide nicotinique / Acido nicotínico* N=CHCH=CHC(COOH)=CH $C_6H_5NO_2$ *M* = 123,11 g/mol assay (alkalimetric) ..... 99% melting range ..... 234–237 °C	PF. *2938*	250 g	40,75	34,65	32,60	30,55
***iso*-Nicotinic acid** see 4-Pyridinecarboxylic acid						
***iso*-Nicotinic acid hydrazide** PROSYNTH® *Acide iso-nicotinique hydrazide / Acido iso-nicotínico hidracida* N=CHCH=C(CONHNH₂)CH=CH $C_6H_7N_3O$ *M* = 137,14 g/mol assay ..... 99% melting range ..... 170–172 °C	WG. *2935*	100 g	13,75	11,70	11,–	10,30
Nicotinic anhydride PROSYNTH® *Anhydride nicotinique / Anhídrido nicotínico* $C_{12}H_8N_2O_3$ *M* = 228,21 g/mol assay (ex N) ..... 95% melting range ..... 118–120 °C	WG. *2935*	5 g	27,–	22,95	21,60	20,25
Nigrosin alcohol-soluble (C. I. Nr. 50415) *Nigrosine / Nigrosina*	BL. FT. *3205*	1 kg 5 kg	60,– 252,–	51,– 209,15	48,– 196,55	46,20 189,–

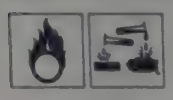
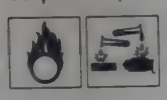
Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	(16
33437	**Ninhydrin** R. G. *Ninhydrine / Ninhidrina* $C_6H_4COC(OH)_2CO$ $C_9H_6O_4$ $M = 178,14$ g/mol assay ..... min. 99% pH (1%, 20 °C) ..... 4,6–5,0 sulphated ash ..... max. 0,1% suitability for detection of amino acids .... passes test keep cool à stocker au frais conséverse frio R: 20/21/22 S: 28 disposal: 6	WG. WG. *2913*	10 g 100 g	13,50 68,50	11,50 58,25	10,80 54,80	1 5
33462 A 2/10B2 C 3.3 1950 2 +54 °C	**Ninhydrin** spray reagent for chromatography *Ninhydrine / Ninhidrina* spray-box of 330 ml $C_6H_4COC(OH)_2CO$ $C_9H_6O_4$ $M = 178,14$ g/mol R: 10 disposal: 6	*3819*	1 pack	19,75	16,80	15,80	1
39420	**Ninhydrin** BIOSYNTH® *Ninhydrine / Ninhidrina* $C_6H_4COC(OH)_2CO$ $C_9H_6O_4$ $M = 178,14$ g/mol R: 20/21/22 S: 28 disposal: 6	WG. *2913*	25 g	29,–	24,65	23,20	2
10438	**Niobium** powder *Niobium / Niobio* Nb $M = 92,91$ g/mol assay 99%	WG. *8104*	10 g	19,25	16,35	15,40	1
10439 A 8/12 C 8 1759 2	**Niobium(V) chloride** *Niobium(V) chlorure / Niobio(V) cloruro* $NbCl_5$ $M = 270,17$ g/mol assay 99%	WG. *2830*	100 g	43,50	37,–	34,80	3
10409 C 6.1 2811 3	**Niobium(V) fluoride** *Niobium(V) fluorure / Niobio(V) fluoruro* NbF_5 $M = 187,90$ g/mol assay 99%	PF. *2829*	10 g	95,–	80,75	76,–	7

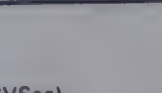
Nioxime see 1,2-Cyclohexanedionedioxime

Nipagin® M see Methyl 4-hydroxybenzoate

Nipasol see Propyl 4-hydroxybenzoate

Nitraniline see Nitroaniline

mber GVS DDE (GGVSee)	Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
Nitric acid 86%, chem. pure *Acide nitrique / Acido nítrico* HNO_3 $M = 63{,}01$ g/mol **1 L ≈ 1,48 kg** assay ..... 86% residue on ignition (as sulphates) ..... 0,001% iron (Fe) ..... 0,0002% heavy metals (as Pb) ..... 0,0001% chloride (Cl) ..... 0,0002% sulphate (SO_4) ..... 0,0005%  R: 8-35 S: 23-26-36 disposal: 1	FL. TS. *2809*	1 L **30 kg**	41,50 price on request	35,30	33,20	31,95
Nitric acid about 70% **MOS** PURANAL® particle class 0—2 *Acide nitrique / Acido nítrico* HNO_3 $M = 63{,}01$ g/mol **1 L ≈ 1,42 kg** assay ..... min. 69% aluminium (Al) ..... max. 0,05 ppm antimony (Sb) ..... max. 0,01 ppm arsenic (As) ..... max. 0,01 ppm barium (Ba) ..... max. 0,1 ppm beryllium (Be) ..... max. 0,01 ppm lead (Pb) ..... max. 0,02 ppm boron (B) ..... max. 0,05 ppm cadmium (Cd) ..... max. 0,01 ppm calcium (Ca) ..... max. 1 ppm chromium (Cr) ..... max. 0,1 ppm iron (Fe) ..... max. 0,2 ppm gallium (Ga) ..... max. 0,02 ppm gold (Au) ..... max. 0,02 ppm indium (In) ..... max. 0,02 ppm potassium (K) ..... max. 0,1 ppm cobalt (Co) ..... max. 0,01 ppm copper (Cu) ..... max. 0,01 ppm lithium (Li) ..... max. 0,02 ppm magnesium (Mg) ..... max. 0,1 ppm manganese (Mn) ..... max. 0,01 ppm molybdenum (Mo) ..... max. 0,01 ppm sodium (Na) ..... max. 0,3 ppm nickel (Ni) ..... max. 0,02 ppm platinum (Pt) ..... max. 0,02 ppm silver (Ag) ..... max. 0,02 ppm strontium (Sr) ..... max. 0,02 ppm thallium (Tl) ..... max. 0,02 ppm titanium (Ti) ..... max. 0,01 ppm vanadium (V) ..... max. 0,01 ppm bismuth (Bi) ..... max. 0,02 ppm zinc (Zn) ..... max. 0,05 ppm tin (Sn) ..... max. 0,02 ppm zirconium (Zr) ..... max. 0,01 ppm chloride (Cl) ..... max. 0,5 ppm phosphate (PO_4) ..... max. 0,5 ppm sulphate (SO_4) ..... max. 0,5 ppm  R: 8-35 S: 23-26-36 disposal: 1	FL. *2809*	2,5 L	price on request			

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)
17952 A 8/1A C 8 2031 1	**Nitric acid** about 70% PURANAL® *Acide nitrique / Acido nítrico* HNO_3 $M = 63{,}01$ g/mol **1 L ≈ 1,42 kg** assay ..... min. 69% residue on ignition (as sulphates) ..... max. 5 ppm aluminium (Al) ..... max. 0,05 ppm antimony (Sb) ..... max. 0,01 ppm arsenic (As) ..... max. 0,01 ppm barium (Ba) ..... max. 0,1 ppm beryllium (Be) ..... max. 0,01 ppm lead (Pb) ..... max. 0,02 ppm boron (B) ..... max. 0,05 ppm cadmium (Cd) ..... max. 0,01 ppm calcium (Ca) ..... max. 1 ppm chromium (Cr) ..... max. 0,1 ppm iron (Fe) ..... max. 0,2 ppm gallium (Ga) ..... max. 0,02 ppm gold (Au) ..... max. 0,02 ppm indium (In) ..... max. 0,02 ppm potassium (K) ..... max. 0,1 ppm cobalt (Co) ..... max. 0,01 ppm copper (Cu) ..... max. 0,01 ppm lithium (Li) ..... max. 0,02 ppm magnesium (Mg) ..... max. 0,1 ppm manganese (Mn) ..... max. 0,01 ppm molybdenum (Mo) ..... max. 0,01 ppm sodium (Na) ..... max. 0,3 ppm nickel (Ni) ..... max. 0,02 ppm platinum (Pt) ..... max. 0,02 ppm silver (Ag) ..... max. 0,02 ppm strontium (Sr) ..... max. 0,02 ppm thallium (Tl) ..... max. 0,02 ppm titanium (Ti) ..... max. 0,01 ppm vanadium (V) ..... max. 0,01 ppm bismuth (Bi) ..... max. 0,02 ppm zinc (Zn) ..... max. 0,05 ppm tin (Sn) ..... max. 0,02 ppm zirconium (Zr) ..... max. 0,01 ppm chloride (Cl) ..... max. 0,5 ppm phosphate (PO_4) ..... max. 0,5 ppm sulphate (SO_4) ..... max. 0,5 ppm  R: 8-35 S: 23-26-36 disposal: 1	FL. *2809*	2,5 L	price on request		
30709 A 8/2B C 8 2031 2	**Nitric acid** min. 65%, R. G., Reag. ISO, Reag. Ph. Eur. I *Acide nitrique / Acido nítrico* HNO_3 $M = 63{,}01$ g/mol **1 L ≈ 1,40 kg** assay ..... min. 65% residue on ignition (as sulphates) ..... max. 0,0005% arsenic (As) ..... max. 0,000001% lead (Pb) ..... max. 0,000005% cadmium (Cd) ..... max. 0,000001% calcium (Ca) ..... max. 0,0001% iron (Fe) ..... max. 0,00002% copper (Cu) ..... max. 0,000005% nickel (Ni) ..... max. 0,000005% zinc (Zn) ..... max. 0,00001% chloride (Cl) ..... max. 0,00005% sulphate (SO_4) ..... max. 0,0001% R: 35 S: 2-23-26-27 disposal: 1	FL. FL. STP. STP. *2809*	1 L 2,5 L 40 kg 5x	17,25 37,— kg kg	14,65 30,70 5,10 4,70	13,80 28,85

ber / VS / E (GGVSee)	Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
Nitric acid min. 65% R. G., for determination of mercury, Reag. ISO, Reag. Ph. Eur. I *Acide nitrique / Acido nítrico* HNO_3 $M = 63{,}01$ g/mol **1 L ≈ 1,40 kg** assay ..... min. 65% residue on ignition (as sulphates) ..... max. 0,0005% arsenic (As) ..... max. 0,000001% lead (Pb) ..... max. 0,000005% cadmium (Cd) ..... max. 0,000001% calcium (Ca) ..... max. 0,0001% iron (Fe) ..... max. 0,00002% copper (Cu) ..... max. 0,000005% nickel (Ni) ..... max. 0,000005% mercury (Hg) ..... max. 0,0000005% zinc (Zn) ..... max. 0,00001% chloride (Cl) ..... max. 0,00005% sulphate (SO_4) ..... max. 0,0001% R: 35 S: 2-23-26-27 disposal: 1	FL. *2809*	2,5 L	48,–	39,85	37,45	36,–
Nitric acid min. 65%, R. G. for determinations with dithizone, Reag. ISO, Reag. Ph. Eur. I *Acide nitrique / Acido nítrico* HNO_3 $M = 63{,}01$ g/mol **1 L ≈ 1,40 kg** assay ..... min. 65% residue on ignition (as sulphates) ..... max. 0,0005% arsenic (As) ..... max. 0,000001% lead (Pb) ..... max. 0,000005% cadmium (Cd) ..... max. 0,000001% calcium (Ca) ..... max. 0,0001% iron (Fe) ..... max. 0,00002% copper (Cu) ..... max. 0,000005% nickel (Ni) ..... max. 0,000005% zinc (Zn) ..... max. 0,00001% chloride (Cl) ..... max. 0,00005% sulphate (SO_4) ..... max. 0,0001% suitability for determination with dithizone passes test R: 35 S: 2-23-26-27 disposal: 1	FL. *2809*	1 L	17,–	14,45	13,25	12,60

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)
17818 A 8/2B C 8 2031 2	**Nitric acid** min. 65%, PURANAL® *Acide nitrique / Acido nítrico* HNO_3 $M = 63{,}01$ g/mol **1 L ≈ 1,40 kg** assay ..... min. 65% (as sulphates) ..... max. 5 ppm aluminium (Al) ..... max. 0,05 ppm antimony (Sb) ..... max. 0,01 ppm arsenic (As) ..... max. 0,01 ppm barium (Ba) ..... max. 0,1 ppm beryllium (Be) ..... max. 0,01 ppm lead (Pb) ..... max. 0,02 ppm boron (B) ..... max. 0,05 ppm cadmium (Cd) ..... max. 0,01 ppm calcium (Ca) ..... max. 1 ppm chromium (Cr) ..... max. 0,1 ppm iron (Fe) ..... max. 0,2 ppm gallium (Ga) ..... max. 0,02 ppm gold (Au) ..... max. 0,02 ppm indium (In) ..... max. 0,02 ppm potassium (K) ..... max. 0,1 ppm cobalt (Co) ..... max. 0,01 ppm copper (Cu) ..... max. 0,01 ppm lithium (Li) ..... max. 0,02 ppm magnesium (Mg) ..... max. 0,1 ppm manganese (Mn) ..... max. 0,01 ppm molybdenum (Mo) ..... max. 0,01 ppm sodium (Na) ..... max. 0,3 ppm nickel (Ni) ..... max. 0,02 ppm platinum (Pt) ..... max. 0,02 ppm silver (Ag) ..... max. 0,02 ppm strontium (Sr) ..... max. 0,02 ppm thallium (Tl) ..... max. 0,02 ppm titanium (Ti) ..... max. 0,01 ppm vanadium (V) ..... max. 0,01 ppm bismuth (Bi) ..... max. 0,02 ppm zinc (Zn) ..... max. 0,05 ppm tin (Sn) ..... max. 0,02 ppm zirconium (Zr) ..... max. 0,01 ppm chloride (Cl) ..... max. 0,5 ppm phosphate (PO_4) ..... max. 0,5 ppm sulphate (SO_4) ..... max. 0,5 ppm R: 35 S: 2-23-26-27 disposal: 1	FL. STP. *2809*	2,5 L 40 kg	price on request price on request		
07006 A 8/2B C 8 2031 2	**Nitric acid** 65%, chem. pure *Acide nitrique / Acido nítrico* HNO_3 $M = 63{,}01$ g/mol **1 L ≈ 1,40 kg** assay ..... 65% residue on ignition (as sulphates) ..... 0,0005% iron (Fe) ..... 0,0001% heavy metals (as Pb) ..... 0,00005% chloride (Cl) ..... 0,0001% sulphate (SO_4) ..... 0,0002% R: 35 S: 2-23-26-27 disposal: 1	FL. FL. STP. STP. STP. *2809*	1 L 2,5 L 40 kg 5x 10x	15,75 32,75 kg kg kg	13,40 27,20 3,50 3,35 3,15	12,30 25,55
17955 A 8/6D C 8 1760 2	**Nitric acid/hydrofluoric acid-etching mixture** PURANAL® *Acide nitrique/acide fluorhydrique-mélange d'attaque /* *Acido nítrico/acido fluorhídrico-mezcla cáustica* R: 26/27/28-35 S: 7/9-26-36/37-45 disposal: 27	PK. *3813*	5 L	price on request		
38270 A 8/2C C 8 2031 2	**0,1 mol Nitric acid** FIXANAL® 6,301 g HNO_3 for 1 L 0,1 N solution *0,1 mol Acide nitrique / 0,1 mol Acido nítrico* ampoule R: 36/38 S: 2-26 disposal: 1	*3819*	1 pack	8,75	7,45	7,–

refer explanations

nber VS DE (GGVSee)	Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
1 mol Nitric acid FIXANAL® 63,013 g HNO_3 for 1 L 0,1 N solution *1 mol Acide nitrique / 1 mol Acido nítrico* bottle R: 35 S: 2-23-26-27 disposal: 1	*3819*	1 pack	11,25	9,55	9,—	8,45
Nitric acid-d (50% in D_2O) deuteration degree not less than 99 atom% D *Acide nitrique-d / Acido nítrico-d* DNO_3 M = 64,00 g/mol **1 L ≈ 1,45 kg** R: 35 S: 2-23-26-27 disposal: 1	A. *2851*	10 ml	47,—	39,95	37,60	35,25
Nitrilotriacetic acid see IDRANAL® I						
Nitrin R. G. (2-Aminobenzaldehyde phenylhydrazone) *Nitrine / Nitrina* $C_6H_5NHN=CHC_6H_4NH_2$ $C_{13}H_{13}N_3$ M = 211,27 g/mol assay ..... min. 98% water ..... max. 0,5% sulphated ash ..... max. 0,1% suitability for determination of nitrite ..... passes test	WG. *2929*	5 g	price on request			
4-Nitroacetanilide PROSYNTH® *4-Nitroacétanilide / 4-Nitroacetanilida* $NO_2C_6H_4NHCOCH_3$ $C_8H_8N_2O_3$ M = 180,16 g/mol assay (ex N) ..... 98% melting range ..... 213—215 °C	WG. *2925*	100 g	80,—	68,—	64,—	60,—
2-Nitroacetophenone PROSYNTH® *2-Nitroacétophénone / 2-Nitroacetofenona* $NO_2C_6H_4COCH_3$ $C_8H_7NO_3$ M = 165,15 g/mol **1 L ≈ 1,24 kg** assay (GC) ..... 97% melting range ..... 26—28 °C	FL. *2913*	10 ml	37,75	32,10	30,20	28,30
3-Nitroacetophenone PROSYNTH® *3-Nitroacétophénone / 3-Nitroacetofenona* $NO_2C_6H_4COCH_3$ $C_8H_7NO_3$ M = 165,15 g/mol assay (GC) ..... 99% melting range ..... 76—78 °C	PF. *2913*	100 g	16,50	14,05	13,20	12,40
4-Nitroacetophenone PROSYNTH® *4-Nitroacétophénone / 4-Nitroacetofenona* $NO_2C_6H_4COCH_3$ $C_8H_7NO_3$ M = 165,15 g/mol assay (GC) ..... 99% melting range ..... 76—79 °C	PF. *2913*	100 g	12,50	10,65	10,—	9,40
2-Nitro-1-acetylbenzene see 2-Nitroacetophenone						
3-Nitro-1-acetylbenzene see 3-Nitroacetophenone						
4-Nitro-1-acetylbenzene see 4-Nitroacetophenone						
2-Nitroaniline R.G. *Nitro-2-aniline / 2-Nitroanilina* $O_2NC_6H_4NH_2$ $C_6H_6N_2O_2$ M = 138,13 g/mol assay (GC) ..... min. 99% melting range ..... 69—71 °C sulphated ash ..... max. 0,1% iron (Fe) ..... max 0,005% heavy metals (as Pb) ..... max 0,001% R: 23/24/25-33 S: 28-36/37-44 disposal: 20	WG. *2922*	50 g	13,75	11,70	11,—	10,30

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)
15819 A 6.1/21F C 6.1 1661 2	**2-Nitroaniline** *Nitro-2-aniline / 2-Nitroanilina* $C_6H_4(NH_2)(NO_2)$ $C_6H_6N_2O_2$ $M = 138{,}13$ g/mol melting range ..... 70—71 °C R: 23/24/25-33 S: 28-36/37-44 disposal: 20	WG. WG. *2922*	250 g 1 kg	13,25 38,25	11,25 32,50	10,60 30,60
15820 A 6.1/21F C 6.1 1661 2	**3-Nitroaniline** *Nitro-3-aniline / 3-Nitroanilina* $C_6H_4(NH_2)(NO_2)$ $C_6H_6N_2O_2$ $M = 138{,}13$ g/mol melting range ..... 111—113 °C R: 23/24/25-33 S: 28-36/37-44 disposal: 20	WG. WG. *2922*	250 g 1 kg	24,75 82,—	21,05 69,70	19,80 65,60
33481 A 6.1/21F C 6.1 1661 2	**4-Nitroaniline** R.G. *Nitro-4-aniline / 4-Nitroanilina* $O_2NC_6H_4NH_2$ $C_6H_6N_2O_2$ $M = 138{,}13$ g/mol assay ..... min. 99% melting range ..... 146—148 °C sulphated ash ..... max. 0,1% iron (Fe) ..... max. 0,001% heavy metals (as Pb) ..... max. 0,001% R: 23/24/25-33 S: 28-36/37-44 disposal: 20	WG. *2922*	50 g	42,—	35,70	33,60
15822 A 6.1/21F C 6.1 1661 2	**4-Nitroaniline** pure *Nitro-4-aniline / 4-Nitroanilina* $C_6H_4(NH_2)(NO_2)$ $C_6H_6N_2O_2$ $M = 138{,}13$ g/mol assay ..... 99,5% melting range ..... 146—148 °C R: 23/24/25-33 S: 28-36/37-44 disposal: 20	WG. WG. *2922*	250 g 1 kg	18,75 54,50	15,95 46,35	15,— 43,60
64735 A 6.1/21I C 6.1 2810 2	**2-Nitroanisole** PROSYNTH® *Nitro-2-anisole / 2-Nitroanisol* $NO_2C_6H_4OCH_3$ $C_7H_7NO_3$ $M = 153{,}14$ g/mol **1 L ≈ 1,25 kg** assay (GC) ..... 98% boiling range ..... 270—273 °C refractive index (n_D^{20}) 1,561	FL. *2908*	250 ml	19,75	16,80	15,80
64736 A 6.1/21L C 6.1 2811 2	**4-Nitroanisole** PROSYNTH® *Nitro-4-anisole / 4-Nitroanisol* $NO_2C_6H_4OCH_3$ $C_7H_7NO_3$ $M = 153{,}14$ g/mol assay (GC) ..... 99% melting range ..... 50—52 °C	WG. *2908*	250 g	17,50	14,90	14,—
39093	**N^{ω}-Nitro-L-arginine** BIOSYNTH® *N^{ω}-Nitro-L-arginine / N^{ω}-Nitro-L-arginina* $HN=C(NHNO_2)NH(CH_2)_3CH(NH_2)COOH$ $C_6H_{13}N_5O_4$ $M = 219{,}20$ g/mol spec. rotation ($[\alpha]_D^{20}$; c = 1 in HCl 2 mol/l) . +23,6° ± 1°	WG. *2926*	5 g	14,75	12,55	11,80
33439	**2-Nitrobenzaldehyde** R. G. *Aldéhyde 2-nitrobenzoïque / Aldehido 2-nitrobenzóico* $C_6H_4(CHO)(NO_2)$ $C_7H_5NO_3$ $M = 151{,}12$ g/mol assay ..... min. 99% melting range ..... 42—44 °C sulphated ash ..... max. 0,1% iron (Fe) ..... max. 0,0005% heavy metals (as Pb) ..... max. 0,001% suitability as reagent for methyl cetones .. passes test	WG. WG. *2912*	5 g 25 g	11,25 43,—	9,55 36,55	9,— 34,40

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nber VS DE (GGVSee)	Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
3-Nitrobenzaldehyde PROSYNTH® *Aldéhyde 3-nitrobenzoïque / Aldehido 3-nitrobenzóico* $NO_2C_6H_4CHO$ $C_7H_5NO_3$ *M* = 151,12 g/mol assay (GC) ..... 98 % melting range ..... 55–57 °C	PF. *2912*	100 g	11,75	10,—	9,40	8,80
4-Nitrobenzaldehyde PROSYNTH® *Aldéhyde 4-nitrobenzoïque / Aldehido 4-nitrobenzóico* $NO_2C_6H_4CHO$ $C_7H_5NO_3$ *M* = 151,12 g/mol assay (GC) ..... 98 % melting range ..... 103–106 °C	PF. *2912*	100 g	65,—	55,25	52,—	48,75
Nitrobenzene pure bright Erg. B. 6 *Nitrobenzène / Nitrobenceno* 2 $C_6H_5NO_2$ *M* = 123,11 g/mol 1 L ≈ 1,20 kg assay (GC) ..... 99,5 % boiling range ..... 205–210 °C density (D_4^{20}) ..... 1,203–1,205 refractive index (n_D^{20}) ..... 1,5520–1,5540 R: 26/27/28-33 S: 28-36/37-45 disposal: 20	FL. FL. EKL. *2903*	1 L 2,5 L 35 kg	23,25 49,25 kg 6,30	19,75 40,90	18,60 38,40	17,90 36,95
Nitrobenzene-d_5 deuteration degree not less than 99 atom % D 2 *Nitrobenzène-d_5 / Nitrobenceno-d_5* $C_6D_5NO_2$ *M* = 128,07 g/mol 1 L ≈ 1,20 kg R: 26/27/28-33 S: 28-36/37-45 disposal: 20	A. *2851*	5 ml	77,50	65,90	62,—	58,15
4-(4-Nitrobenzeneazo)-(1)-naphthol R. G. *4-(4-Nitrobenzèneazo)-(1)-naphtol / 4-(4-Nitrobenceno-azo)-(1)-naftol* $NO_2C_6H_4N=NC_{10}H_6OH$ $C_{16}H_{11}N_3O_3$ *M* = 293,28 g/mol	WG. *2928*	10 g	12,75	10,85	10,20	9,55
4-Nitrobenzeneazoresorcinol see 4-(4-Nitrophenylazo)-resorcinol						
5-(3-Nitrobenzeneazo)-salicylic acid see Alizarin yellow GG						
5-(4-Nitrobenzeneazo)-salicylic acid see Alizarin yellow R						
p-Nitrobenzenediazoaminobenzene-p-azobenzene see Cadion						
4-Nitrobenzenediazonium tetrafluoroborate PROSYNTH® *4-Nitrobenzènediazonium tétrafluoroborate /* 1 2 *4-Nitrobencenodiazónio tetrafluoroborato* $NO_2C_6H_4N_2BF_4$ $C_6H_4BF_4N_3O_2$ *M* = 236,92 g/mol assay ..... 97 %	WG. *2928*	25 g	30,25	25,70	24,20	22,70
4-Nitrobenzene sulphonylchloride PROSYNTH® *4-Nitrobenzène sulfonylchlorure / 4-Nitrobenceno* 2 *sulfonilcloruro* $NO_2C_6H_4SO_2Cl$ $C_6H_4ClNO_4S$ *M* = 221,62 g/mol assay ..... 97 % melting range ..... 72–75 °C R: 23/24/25 S: 44 disposal: 21	WG. *2903*	25 g	62,—	52,70	49,60	46,50

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62878	**2-Nitrobenzoic acid** PROSYNTH® *Acide 2-nitrobenzoïque / Acido 2-nitrobenzóico* $NO_2C_6H_4COOH$ $C_7H_5NO_4$ $M = 167,12$ g/mol assay (alkalimetric) ..... 99% melting range ..... 147–149 °C	PF. *2914*	250 g	22,25	18,90	17,–
62879	**3-Nitrobenzoic acid** PROSYNTH® *Acide 3-nitrobenzoïque / Acido 3-nitrobenzóico* $NO_2C_6H_4COOH$ $C_7H_5NO_4$ $M = 167,12$ g/mol assay (alkalimetric) ..... 99% melting range ..... 139–141 °C	PF. *2914*	500 g	31,50	26,80	25,2
27723	**4-Nitrobenzoic acid** *Acide 4-nitrobenzoïque / Acido 4-nitrobenzóico* $C_6H_4(COOH)(NO_2)$ $C_7H_5NO_4$ $M = 167,12$ g/mol assay ..... 99,5% melting range ..... 238–239 °C sulphated ash 0,1%	WG. WG. S. *2914*	250 g 1 kg 50 kg	13,75 35,– price on request	11,70 29,75	11,– 28,–
	Nitrobenzoic acid chloride see Nitrobenzoyl chloride					
62880	**3-Nitrobenzoic acid sodium salt** PROSYNTH® *Acide 3-nitrobenzoïque sel sodique / Acido 3-nitrobenzóico sal sódica* $NO_2C_6H_4COONa$ $C_7H_4NNaO_4$ $M = 189,10$ g/mol	PF. *2914*	500 g	49,25	41,85	39,4
65064 A 6.1/21 C 6.1 2811 2	**2-Nitrobenzonitrile** PROSYNTH® *2-Nitrobenzonitrile / 2-Nitrobenzonitrilo* $NO_2C_6H_4CN$ $C_7H_4N_2O_2$ $M = 148,12$ g/mol assay (HPLC) ..... 97% melting range ..... 108–110 °C R: 23/24/25 S: 44 disposal: 20	WG. *2927*	10 g	26,–	22,10	20,8
63681 A 6.1/21 C 6.1 2811 2	**3-Nitrobenzonitrile** PROSYNTH® *3-Nitrobenzonitrile / 3-Nitrobenzonitrilo* $NO_2C_6H_4CN$ $C_7H_4N_2O_2$ $M = 148,12$ g/mol assay (ex N) ..... 95% melting range ..... 109–112 °C R: 23/24/25 S: 44 disposal: 20	WG. *2927*	10 g	38,75	32,95	31,–
65065 A 6.1/21 C 6.1 2811 2	**4-Nitrobenzonitrile** PROSYNTH® *4-Nitrobenzonitrile / 4-Nitrobenzonitrilo* $NO_2C_6H_4CN$ $C_7H_4N_2O_2$ $M = 148,12$ g/mol assay (HPLC) ..... 97% melting range ..... 144–147 °C R: 23/24/25 S: 44 disposal: 20	WG. *2927*	10 g	26,–	22,10	20,8
61079 A 6.1/21L C 6.1 2306 2	**2-Nitrobenzotrifluoride** PROSYNTH® *2-Nitrobenzotrifluorure / 2-Nitrobenzotrifluoruro* $C_6H_4(CF_3)(NO_2)$ $C_7H_4F_3NO_2$ $M = 191,11$ g/mol assay (GC) ..... 98% melting range ..... 27–29 °C	WG. *2903*	25 g	14,–	11,90	11,2

ıber / VS / DE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (15 Boxes)
3-Nitrobenzotrifluoride PROSYNTH®		FL.	100 ml	30,25	25,70	24,20	22,70
3-Nitrobenzotrifluorure / 3-Nitrobenzotrifluoruro		2903					
$C_6H_4(CF_3)(NO_2)$							
$C_7H_4F_3NO_2$ M = 191,11 g/mol	1 L ≈ 1,43 kg						
assay (GC)	97 %						
boiling range	200 - 202 °C						
refractive index (n_D^{20})	1,471						
2-Nitrobenzoyl chloride PROSYNTH®		FL.	100 ml	63,50	54,—	50,80	47,65
2-Nitrobenzoyle chlorure / 2-Nitrobenzoilo cloruro		2914					
2 $NO_2C_6H_4COCl$							
$C_7H_4ClNO_3$ M = 185,57 g/mol	1 L ≈ 1,41 kg						
assay (GC)	98 %						
boiling range (at 24 mbar)	150 — 152 °C						
R: 34 S: 26 disposal: 21							
3-Nitrobenzoyl chloride PROSYNTH®		FL.	250 g	35,—	29,75	28,—	26,25
3-Nitrobenzoyle chlorure / 3-Nitrobenzoilo cloruro		2914					
$NO_2C_6H_4COCl$							
$C_7H_4ClNO_3$ M = 185,57 g/mol							
assay (GC)	99 %						
melting range	30 — 32 °C						
R: 34 S: 26 disposal: 21							
4-Nitrobenzoyl chloride PROSYNTH®		PF.	500 g	49,50	42,10	39,60	38,10
4-Nitrobenzoyle chlorure / 4-Nitrobenzoilo cloruro		PF.	2,5 kg	197,—	163,50	153,65	147,75
2 $C_6H_4(NO_2)(COCl)$		2914					
$C_7H_4ClNO_3$ M = 185,57 g/mol							
assay	98 %						
melting range	71 — 74 °C						
R: 34 S: 26 disposal: 21							
2-Nitrobenzyl alcohol PROSYNTH®		FL.	5 g	21,—	17,85	16,80	15,75
Alcool 2-nitrobenzylique / Alcohol 2-nitrobencílico		2905					
$NO_2C_6H_4CH_2OH$							
$C_7H_7NO_3$ M = 153,14 g/mol							
assay (GC)	98 %						
melting range	70 — 72 °C						
3-Nitrobenzyl alcohol PROSYNTH®		FL.	10 ml	28,50	24,25	22,80	21,40
Alcool 3-nitrobenzylique / Alcohol 3-nitrobencílico		2905					
$NO_2C_6H_4CH_2OH$							
$C_7H_7NO_3$ M = 153,14 g/mol	1 L ≈ 1,22 kg						
assay (GC)	98 %						
boiling range (at 8 mbar)	168 — 170 °C						
refractive index (n_D^{20})	1,573						
4-Nitrobenzyl alcohol PROSYNTH®		WG.	25 g	31,75	27,—	25,40	23,80
Alcool 4-nitrobenzylique / Alcohol 4-nitrobencílico		2905					
$NO_2C_6H_4CH_2OH$							
$C_7H_7NO_3$ M = 153,14 g/mol							
assay (GC)	98 %						
melting range	91 — 93 °C						
4-Nitrobenzyl bromide PROSYNTH®		WG.	100 g	46,50	39,55	37,20	34,90
1K *4-Nitrobenzyle bromure / 4-Nitrobencilo bromuro*		2903					
311 2 $NO_2C_6H_4CH_2Br$							
$C_7H_6BrNO_2$ M = 216,03 g/mol							
assay (GC)	98 %						
melting range	96 — 98 °C						

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65067 A 6.1/61 C 6.1 2811 2	**2-Nitrobenzyl chloride** PROSYNTH® *2-Nitrobenzyle chlorure / 2-Nitrobencilo cloruro* $NO_2C_6H_4CH_2Cl$ $C_7H_6ClNO_2$ M = 171,58 g/mol assay (HPLC) ..... 99% melting range ..... 48–50 °C R: 23/24/25 S: 44 disposal: 20	WG. *2903*	10 g	40,–	34,–	32,–
65214 A 6.1/23 C 6.1 2811 2	**3-Nitrobenzyl chloride** PROSYNTH® *3-Nitrobenzyle chlorure / 3-Nitrobencilo cloruro* $NO_2C_6H_4CH_2Cl$ $C_7H_6ClNO_2$ M = 171,58 g/mol melting range ..... 46–47 °C R: 23/24/25 S: 44 disposal: 20	WG. *2903*	100 g	price on request		
64847 A 6.1/61F C 6.1 2811 2	**4-Nitrobenzyl chloroformate** PROSYNTH® *4-Nitrobenzyle chloroformiate / 4-Nitrobencilo cloroformiato* $ClCOOCH_2C_6H_4NO_2$ $C_8H_6ClNO_4$ M = 215,59 g/mol assay (ex Cl) ..... 97% melting range ..... 32–34 °C R: 23/24/25 S: 44 disposal: 20	WG. *2914*	10 g	26,25	22,30	21,–
63908 A 6.1/21K C 6.1 2811 2	**3-Nitrobenzyl iodide** PROSYNTH® *3-Nitrobenzyle iodure / 3-Nitrobencilo yoduro* $O_2NC_6H_4CH_2J$ $C_7H_6JNO_2$ M = 263,03 g/mol assay (ex I) ..... 98% melting range ..... 82–84 °C	FL. *2903*	1 g	26,25	22,30	21,–
33468	**4-(4-Nitrobenzyl)-pyridine** R. G. *4-(4-Nitrobenzyl)-pyridine / 4-(4-Nitrobencil)-piridina* $N=CHCH=C(CH_2C_6H_4NO_2)_2CH=CH$ $C_{12}H_{10}N_2O_2$ M = 214,22 g/mol	WG. *2935*	10 g	38,25	32,50	30,60
	4-Nitro-1-bromomethylbenzene see 4-Nitrobenzyl bromide					
33753	**Nitro-BT** (Nitro-blue tetrazolium chloride)	FL. *2930*	1 g	114,50	97,35	91,60
	Nitrochlorobenzene see 2-Chloronitrobenzene					
65218	**4-Nitrocinnamalaldehyde** PROSYNTH® *Aldéhyde 4-nitrocinnamique / Aldehído 4-nitrocinámico* $NO_2C_6H_4CH=CHCHO$ $C_9H_7NO_3$ M = 177,16 g/mol melting range ..... 137–138 °C	WG. *2912*	25 g	price on request		
65071	**2-Nitrocinnamaldehyde** PROSYNTH® *Aldéhyde 2-nitrocinnamique / Aldehído 2-nitrocinámico* $NO_2C_6H_4CH=CHCHO$ $C_9H_7NO_3$ M = 177,16 g/mol assay ..... 97% melting range ..... 124–126 °C	WG. *2912*	10 g	28,25	24,–	22,60
62904	***trans*-2-Nitrocinnamic acid** PROSYNTH® *Acide trans-2-nitrocinnamique / Acido trans-2-nitrocinámico* $NO_2C_6H_4CH=CHCOOH$ $C_9H_7NO_4$ M = 193,16 g/mol assay (alkalimetric) ..... 99% melting range ..... 241–243 °C	WG. *2914*	10 g	29,50	25,10	23,60

nber VS DE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	4-Nitrocinnamic acid PROSYNTH® *Acide 4-nitrocinnamique / Acido 4-nitrocinámico* $NO_2C_6H_4CH=CHCOOH$ $C_9H_7NO_4$ M = 193,16 g/mol melting range ..... 285—290 °C	PF. *2914*	100 g	price on request			
	3-Nitro-o-cresol PROSYNTH® *3-Nitro-o-crésol / 3-Nitro-o-cresol* $CH_3C_6H_3(NO_2)OH$ $C_7H_7NO_3$ M = 153,14 g/mol melting range ..... 133—135 °C R: 24/25-34 S: 2-28-44 disposal: 20	WG. *2907*	25 g	price on request			
3	**4-Nitro-m-cresol** PROSYNTH® *4-Nitro-m-crésol / 4-Nitro-m-cresol* $CH_3C_6H_3(NO_2)OH$ $C_7H_7NO_3$ M = 153,14 g/mol melting range ..... 125—128 °C R: 24/25-34 S: 2-28-44 disposal: 20	WG. *2907*	100 g	59,—	50,15	47,20	44,25
2	**5-Nitro-1,3-dimethylbenzene** see 5-Nitro-m-xylene						
	5-Nitro-2,4-dioxotetrahydropyrimidine see 5-Nitrouracil						
	2-Nitrodiphenylamine PROSYNTH® *2-Nitrodiphénylamine / 2-Nitrodifenilamina* $NO_2C_6H_4NHC_6H_4$ $C_{12}H_{10}N_2O_2$ M = 214,22 g/mol melting range ..... 72—75 °C	WG. *2922*	250 g	40,75	34,65	32,60	30,55
3 2	**Nitroethane** PROSYNTH® *Nitroéthane / Nitroetano* $C_2H_5NO_2$ M = 75,07 g/mol **1 L ≈ 1,05 kg** assay (GC) ..... 97 % boiling range ..... 112—114 °C refractive index (n_D^{20}) ..... 1,391 R: 10-20/22 S: 9-25-41 disposal: 20	FL. *2903*	250 ml	14,75	12,55	11,80	11,05
	2-Nitroethanol PROSYNTH® *2-Nitroéthanol / 2-Nitroetanol* $NO_2CH_2CH_2OH$ $C_2H_5NO_3$ M = 91,07 g/mol **1 L ≈ 1,30 kg** assay (GC) ..... 97 % boiling range ..... 192—194 °C refractive index (n_D^{20}) 1,445	FL. *2904*	5 ml	29,50	25,10	23,60	22,15
L 10 2	**2-Nitroethylbenzene** PROSYNTH® *2-Nitroéthylbenzène / 2-Nitroetilbenceno* $NO_2C_6H_4C_2H_5$ $C_8H_9NO_2$ M = 151,16 g/mol **1 L ≈ 1,12 kg** assay (GC) ..... 99 % boiling range (at 29 mbar) ..... 114—116 °C refractive index (n_D^{20}) 1,535	FL. *2903*	1 L	34,50	29,35	27,60	26,55
L 10 2	**4-Nitroethylbenzene** PROSYNTH® *4-Nitroéthylbenzène / 4-Nitroetilbenceno* $NO_2C_6H_4C_2H_5$ $C_8H_9NO_2$ M = 151,16 g/mol **1 L ≈ 1,12 kg** assay (GC) ..... 99 % boiling range ..... 244—246 °C refractive index (n_D^{20}) 1,545	FL. *2903*	250 ml	51,—	43,35	40,80	38,25

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62885	**2-Nitrofluorene** PROSYNTH® *2-Nitrofluorène / 2-Nitrofluoreno* $C_6H_4CH_2C_6H_3NO_2$ $C_{13}H_9NO_2$ $M = 211{,}22$ g/mol melting range ..... 157–159 °C	WG. *2903*	100 g	113,50	96,50	90,80	85
	2-Nitro-1-hydroxybenzene see 2-Nitrophenol						
	4-Nitro-1-hydroxybenzene see 4-Nitrophenol						
	2-Nitro-2-hydroxymethylpropanediol-(1,3) see Tris-(hydroxymethyl)-nitromethane						
22071	**5-Nitro-8-hydroxyquinoline** *5-Nitro-8-hydroxyquinoléine / 5-Nitro-8-hidroxiquinolina* $NO_2C_6H_2(OH)CH=CHCH=N$ $C_9H_6N_2O_3$ $M = 190{,}16$ g/mol assay ..... 99,5% melting range ..... 177–180 °C loss on drying (80 °C, 3 h) ..... 0,3% sulphated ash (850 °C) ..... 0,5% chloride (Cl) ..... 0,003% sulphate (SO_4) 0,003%	PF. *2935*	1 kg	481,–	408,85	384,80	370
	2-Nitro-α-hydroxytoluene see 2-Nitrobenzyl alcohol						
	4-Nitro-α-hydroxytoluene see 4-Nitrobenzyl alcohol						
	6-Nitro-3-hydroxytoluene see 4-Nitro-m-cresol						
65068	**5-Nitroindane** PROSYNTH® *5-Nitroindane / 5-Nitroindano* $NO_2C_6H_3CH_2CH_2CH_2$ $C_9H_9NO_2$ $M = 163{,}18$ g/mol assay ..... 97% melting range ..... 38–40 °C	WG. *2903*	25 g	18,–	15,30	14,40	13
63686	**5-Nitroindazole** PROSYNTH® *5-Nitroindazole / 5-Nitroindazol* $NO_2C_6H_3NHN=CH$ $C_7H_5N_3O_2$ $M = 163{,}14$ g/mol assay ..... 97% melting range ..... 205–208 °C	WG. *2935*	25 g	43,25	36,75	34,60	32
63689	**Nitromesitylene** PROSYNTH® *Nitromésitylène / Nitromesitileno* $NO_2C_6H_2(CH_3)_3$ $C_9H_{11}NO_2$ $M = 165{,}19$ g/mol assay (GC) ..... 99% melting range ..... 42–44 °C	WG. *2903*	100 g	38,75	32,95	31,–	29
30846 A 3/3 C 3.3 1261 2 +44 °C	**Nitromethane** min. 99,9% for gas chromatography *Nitrométhane / Nitrometano* CH_3NO_2 $M = 61{,}04$ g/mol **1 L ≈ 1,13 kg** R: 5-10-22 S: 41 disposal: 20	FL. *2903*	5 ml	49,25	41,85	39,40	37
62889 A 3/3 C 3.3 1261 2 +44 °C	**Nitromethane** PROSYNTH® *Nitrométhane / Nitrometano* CH_3NO_2 $M = 61{,}04$ g/mol **1 L ≈ 1,13 kg** assay (GC) ..... 99% boiling range ..... 98–100 °C refractive index (n_D^{20}) ..... 1,382 keep cool à stocker au frais consérvese frio R: 5-10-22 S: 41 disposal: 20	FL. ALU. *2903*	250 ml † 5 L	23,50 377,–	20,– 312,90	18,80 294,05	1 28

umber)R GGVS CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	Nitromethane-d_3 deuteration degree not less than 99 atom % D *Nitrométhane-d_3 / Nitrometano-d_3* CD_3NO_2 $M = 64{,}00$ g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la hedera R: 5-10-22 S: 41 disposal: 20	A. *2851*	10 ml	99,—	84,15	79,20	74,25
	3-Nitro-4-methoxy-1-acetylbenzene see 4-Methoxy-3-nitroacetophenone						
	2-Nitro-1-methylbenzene see 2-Nitrotoluene						
	3-Nitro-1-methylbenzene see 3-Nitrotoluene						
	4-Nitro-1-methylbenzene see 4-Nitrotoluene						
	Nitron R. G., reagent for nitric acid *Nitron / Nitrón* $C_{20}H_{16}N_4$ $M = 312{,}37$ g/mol assay ..... min. 90 % melting range ..... 187—189 °C insoluble in acetic acid (5 %) ..... max. 0,005 % sulphated ash ..... max. 0,1 % suitability for determination of nitrate ..... passes test	WG. WG. *2935*	5 g 25 g	12,— 45,—	10,20 38,25	9,60 36,—	9,— 33,75
1L 1L 538 3	**1-Nitronaphthalene** PROSYNTH® *1-Nitronaphtalène / 1-Nitronaftaleno* $C_6H_4C(NO_2)=CHCH=CH$ $C_{10}H_7NO_2$ $M = 173{,}17$ g/mol assay (GC) ..... 99 % melting range ..... 53—57 °C	WG. WG. *2903*	500 g 1 kg	27,75 51,—	23,60 43,35	22,20 40,80	21,35 39,25
1L 1L 538 3	**2-Nitronaphthalene** PROSYNTH® *2-Nitronaphtalène / 2-Nitronaftaleno* $C_{10}H_7NO_2$ $M = 173{,}17$ g/mol	WG. *2903*	5 g	25,50	21,70	20,40	19,15
	2-Nitro-α-oxotoluene see 2-Nitrobenzaldehyde						
	3-Nitro-α-oxotoluene see 3-Nitrobenzaldehyde						
	4-Nitro-α-oxotoluene see 4-Nitrobenzaldehyde						
1L 663 3	**2-Nitrophenol** R. G. *2-Nitrophénol / 2-Nitrofenol* $C_6H_4(OH)(NO_2)$ $C_6H_5NO_3$ $M = 139{,}11$ g/mol melting range ..... 44—45 °C sulphated ash ..... max. 0,01 % R: 20/21/22-33 S: 28 disposal: 20	WG. WG. *2907*	25 g 100 g	8,25 25,—	7,— 21,25	6,60 20,—	6,20 18,75
1L 663 3	**2-Nitrophenol** PROSYNTH® *2-Nitrophénol / 2-Nitrofenol* $C_6H_4(OH)(NO_2)$ $C_6H_5NO_3$ $M = 139{,}11$ g/mol assay (HPLC) ..... 98 % melting range ..... 44—46 °C R: 20/21/22-33 S: 28 disposal: 20	WG. *2907*	100 g	9,50	8,10	7,60	7,15

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)	Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)
33446 **3-Nitrophenol** indicator *3-Nitrophénol / 3-Nitrofenol* A 6.1/21L C 6.1 1663 3 $C_6H_4(OH)(NO_2)$ $C_6H_5NO_3$ $M = 139{,}11$ g/mol R: 20/21/22-33 S: 28 disposal: 20	WG. *2907*	25 g	27,25	23,15	21,80
33445 **4-Nitrophenol** indicator *4-Nitrophénol / 4-Nitrofenol* A 6.1/21L C 6.1 1663 3 $C_6H_4(OH)(NO_2)$ $C_6H_5NO_3$ $M = 139{,}11$ g/mol R: 20/21/22-33 S: 28 disposal: 20	WG. WG. *2907*	25 g 100 g	10,75 21,75	9,15 18,50	8,60 17,40
35836 **4-Nitrophenol** min. 99% PESTANAL® *4-Nitrophénol / 4-Nitrofenol* A 6.1/21L C 6.1 1663 3 $HOC_6H_4NO_2$ $C_6H_5NO_3$ $M = 139{,}11$ g/mol R: 20/21/22-33 S: 28 disposal: 20	FL. *2907*	5 g	14,25	12,10	11,40
60238 **4-Nitrophenol** PROSYNTH® *4-Nitrophénol / 4-Nitrofenol* A 6.1/21L C 6.1 1663 3 $C_6H_4(OH)(NO_2)$ $C_6H_5NO_3$ $M = 139{,}11$ g/mol assay (HPLC) ..... 98% melting range ..... 109–112 °C R: 20/21/22-33 S: 28 disposal: 20	WG. *2907*	1 kg	37,–	31,45	29,60
33477 **2-Nitrophenol-4-arsonic acid** R. G. *Acide 2-nitrophénolarsonique-(4) / Acido 2-nitrofenolarsónico-(4)* A 6.1/52A C 6.1 1557 3 $HOC_6H_3(NO_2)AsO(OH)_2$ $C_6H_6AsNO_6$ $M = 263{,}04$ g/mol R: 23/25 S: 1/2-20/21-28-44 disposal: 10	WG. *2934*	100 g	28,75	24,45	23,–
39107 **4-Nitrophenyl acetate** BIOSYNTH® *4-Nitrophényle acétate / 4-Nitrofenilo acetato* $CH_3COOC_6H_4NO_2$ $C_8H_7NO_4$ $M = 181{,}15$ g/mol melting range ..... 75–77 °C keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	WG. *2914*	5 g	25,50	21,70	20,40
62893 **2-Nitrophenylacetic acid** PROSYNTH® *Acide 2-nitrophénylacétique / Acido 2-nitrofenilacético* $NO_2C_6H_4CH_2COOH$ $C_8H_7NO_4$ $M = 181{,}15$ g/mol assay (alkalimetric) ..... 99% melting range ..... 137–140 °C	WG. *2914*	10 g	19,75	16,80	15,80
62894 **4-Nitrophenylacetic acid** PROSYNTH® *Acide 4-nitrophénylacétique / Acido 4-nitrofenilacético* $NO_2C_6H_4CH_2COOH$ $C_8H_7NO_4$ $M = 181{,}15$ g/mol assay (alkalimetric) ..... 99% melting range ..... 153–155 °C	WG. *2914*	100 g	80,–	68,–	64,–
(4-Nitrophenyl)acetic acid nitrile see (4-Nitrophenyl)-acetonitrile					

mber GVS DDE (GGVSee)	Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
4-Nitrophenylacetonitrile PROSYNTH® *4-Nitrophénylacétonitrile / 4-Nitrofenilacetonitrilo* 1 $NO_2C_6H_4CH_2CN$ $C_8H_6N_2O_2$ $M = 162,15$ g/mol assay (ex N) ..... 98% melting range ..... 114–115 °C R: 23/24/25 S: 44 disposal: 15	WG. *2927*	100 g	63,50	54,–	50,80	47,65
4-(4-Nitrophenylazo)-resorcinol adsorption indicator *4-(4-Nitrophénylazo)-résorcinol / 4-(4-Nitrofenilazo)-resorcina* $NO_2C_6H_4N = NC_6H_3(OH)_2$ $C_{12}H_9N_3O_4$ $M = 259,22$ g/mol	WG. *2928*	25 g	25,75	21,90	20,60	19,30
4-Nitrophenyl chloroformate PROSYNTH® *Nitro-4-phényle chloroformiate / 4-Nitrofenilo* 1 3 *cloroformiato* $ClCOOC_6H_4NO_2$ $C_7H_4ClNO_4$ $M = 201,57$ g/mol assay (Cl) ..... 97% melting range ..... 76–79 °C keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 23/24/25 S: 44 disposal: 20	WG. *2914*	25 g	111,50	94,80	89,20	83,65
2-Nitrophenyl-β-D-galactopyranoside BIOSYNTH® *2-Nitrophényl-β-D-galactopyranoside / 2-Nitrofenil-β-D-galactopiranósido* $HOCH_2\underline{CH(CHOH)_3CH(OC_6H_4NO_2)O}$ $C_{12}H_{15}NO_8$ $M = 301,25$ g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	WG. *2941*	5 g	130,50	110,95	104,40	97,90
4-Nitrophenyl-α-D-galactopyranoside BIOSYNTH® *4-Nitrophényl-α-D-galactopyranoside / 4-Nitrofenil-α-D-galactopiranósido* $HOCH_2\underline{CH(CHOH)_3CH(OC_6H_4NO_2)O}$ $C_{12}H_{15}NO_8$ $M = 301,25$ g/mol spec. rotation ($[\alpha]_D^{20}$; c = 1,2 in H_2O) ..... +242° ± 3° keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	FL. *2941*	1 g	60,–	51,–	48,–	45,–
4-Nitrophenyl-α-D-glucopyranoside BIOSYNTH® *4-Nitrophényl-α-D-glucopyranoside / 4-Nitrofenil-α-D-glucopiranósido* $HOCH_2\underline{CH(CHOH)_3CH(OC_6H_4NO_2)O}$ $C_{12}H_{15}NO_8$ $M = 301,25$ g/mol specific rotation ($[\alpha]_D^{20}$; c = 0,5 in H_2O) ..... +220° ± 1° keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	FL. *2943*	1 g	31,–	26,35	24,80	23,25
4-Nitrophenyl-β-D-glucopyranoside BIOSYNTH® *4-Nitrophényl-β-D-glucopyranoside / 4-Nitrofenil-β-D-glucopiranósido* $HOCH_2\underline{CH(CHOH)_3CH(OC_6H_4NO_2)O}$ $C_{12}H_{15}NO_8$ $M = 301,25$ g/mol specific rotation ($[\alpha]_D^{20}$; c = 1 in H_2O) ..... −103 ± 2° keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	FL. *2941*	1 g	29,50	25,10	23,60	22,15

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)
39365	**2-Nitrophenyl-β-D-glucopyranoside** BIOSYNTH® *2-Nitrophényle-β-D-glucopyranoside / 2-Nitrofenil-β-D-glucopiranosida* $HOCH_2\underline{CH(CHOH)_3CH(OC_6H_4NO_2)O}$ $C_{12}H_{15}NO_8$ $M = 301{,}25$ g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	FL. *2935*	1 g	43,75	37,20	35,—
63915 A 6.1/21L C 6.1 2811 2	**2-Nitrophenylhydrazine** PROSYNTH® *2-Nitrophénylhydrazine / 2-Nitrofenilhidracina* $O_2NC_6H_4NHNH_2$ $C_6H_7N_3O_2$ $M = 153{,}14$ g/mol assay (ex N) ..... 90% melting range ..... 87—90 °C	WG. *2929*	5 g	30,75	26,15	24,60
33449 A 6.1/21L C 6.1 2811 2	**4-Nitrophenylhydrazine** R. G. *4-Nitrophénylhydrazine / 4-Nitrofenilhidracina* $O_2NC_6H_4NHNH_2$ $C_6H_7N_3O_2$ $M = 153{,}14$ g/mol melting range ..... 156—157 °C (disintegration) insoluble in acetic acid ..... max. 0,005% sulphated ash ..... max. 0,1% suitability for detection of carbonyl groups passes test R: 23/24/25-36 S: 28-44 disposal: 20	WG. *2929*	25 g	40,—	34,—	32,—
65070	**3-Nitrophenylhydrazinium chloride** PROSYNTH® *Nitro-3-phénylehydrazine chlorhydrate / 3-Nitrofenilhidracínio cloruro* $NO_2C_6H_4NHNH_2 \cdot HCl$ $C_6H_8ClN_3O_2$ $M = 189{,}60$ g/mol assay (ex Cl) ..... 98% melting range ..... 213—215 °C (disint.)	WG. *2929*	5 g	26,—	22,10	20,80
64745	**4-Nitrophenylhydrazinium chloride** PROSYNTH® *Nitro-4-phénylhydrazine chlorhydrate / 4-Nitrofenilhidracínio cloruro* $NO_2C_6H_4NHNH_2 \cdot HCl$ $C_6H_8ClN_3O_2$ $M = 189{,}60$ g/mol assay (Cl) ..... 99% melting range ..... 205—210 °C (disint.)	WG. *2929*	25 g	77,—	65,45	61,60
39120	**4-Nitrophenyl sulphate potassium salt** BIOSYNTH® *4-Nitrophényle sulfate sel potassique / 4-Nitrofenilo sulfato sal potásica* $NO_2C_6H_4OSO_3K$ $C_6H_4KNO_6S$ $M = 257{,}26$ g/mol	FL. *2921*	1 g	11,50	9,80	9,20
61460 A 6.1/21 C 6.1 2811 2	**4-Nitrophenyl trifluoroacetate** PROSYNTH® *Nitro-4-phényle trifluoroacétate / 4-Nitrofenilo trifluoroacetato* $F_3CCOOC_6H_4NO_2$ $C_8H_4F_3NO_4$ $M = 235{,}12$ g/mol assay (GC) ..... 98% melting range ..... 36—38 °C R: 26/27/28 S: 1/2-13-45 disposal: 20	WG. *2914*	5 g	28,25	24,—	22,60
63688	**2-Nitro-*iso*-phthalic acid** PROSYNTH® *Acide 2-nitro-iso-phtalique / Acido 2-nitro-iso-ftálico* $NO_2C_6H_3(COOH)_2$ $C_8H_5NO_6$ $M = 211{,}13$ g/mol assay (alkalimetric) ..... 98% melting range ..... 308—310 °C	WG. *2915*	25 g	35,75	30,40	28,60

refer explanations

mber / VS / DE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	3-Nitrophthalic acid PROSYNTH® *Acide 3-nitrophtalique / Acido 3-nitroftálico* $NO_2C_6H_3(COOH)_2$ $C_8H_5NO_6$ $M = 211{,}13$ g/mol assay (alkalimetric) ..... 99% melting range ..... 216–219 °C	WG. 2915	100 g	35,75	30,40	28,60	26,80
	3-Nitrophthalic anhydride PROSYNTH® *Anhydride 3-nitrophtalique / Anhídrido 3-nitroftálico* $NO_2C_6H_3COOCO$ $C_8H_3NO_5$ $M = 193{,}12$ g/mol assay ..... 98% melting range ..... 162–164 °C	WG. 2915	50 g	64,–	54,40	51,20	48,–
3	**2-Nitropropane** min. 99,9% for gas chromatography *2-Nitropropane / 2-Nitropropano* $(CH_3)_2CHNO_2$ $C_3H_7NO_2$ $M = 89{,}09$ g/mol **1 L ≈ 0,99 kg** R: 10-20/21/22 S: 9 disposal: 20	FL. 2903	5 ml	49,25	41,85	39,40	36,95
3	**2-Nitropropane** PROSYNTH® *2-Nitropropane / 2-Nitropropano* $(CH_3)_2CHNO_2$ $C_3H_7NO_2$ $M = 89{,}09$ g/mol **1 L ≈ 0,99 kg** assay (GC) ..... 97% boiling range ..... 118–120 °C refractive index (n_D^{20}) ..... 1,394 R: 10-20/21/22 S: 9 disposal: 20	FL. 2903	1 L	22,–	18,70	17,60	16,95
	5-Nitropseudocumene see 1,2,4-Trimethyl-5-nitrobenzene						
1 2	**4-Nitropyridine-1-oxide** PROSYNTH® *4-Nitropyridine-1-oxyde / 4-Nitropiridina-1-óxido* $ON=CHCH=C(NO_2)CH=CH$ $C_5H_4N_2O_3$ $M = 140{,}10$ g/mol assay ..... 97% melting range ..... 160–162 °C	WG. 2935	10 g	9,50	8,10	7,60	7,15
	4-Nitropyrocatechol R. G. *4-Nitropyrocatéchol / 4-Nitropirocatequina* $NO_2C_6H_3(OH)_2$ $C_6H_5NO_4$ $M = 155{,}11$ g/mol	WG. 2907	5 g	31,25	26,55	25,–	23,45
1 2	**Nitrosobenzene** PROSYNTH® *Nitrosobenzène / Nitrosobenceno* C_6H_5NO $M = 107{,}11$ g/mol assay (GC) ..... 98% melting range ..... 65–68 °C keep in refrigerator à stocker dans le refrigidaire almacenaje en la nevera R: 26/27/28-33 S: 28-36/37-45 disposal: 20	WG. 2903	25 g	104,–	88,40	83,20	78,–
10 2	**N-Nitrosodiethylamine** PROSYNTH® *N-Nitrosodiéthylamine / N-Nitrosodietilamina* $(C_2H_5)_2NNO$ $C_4H_{10}N_2O$ $M = 102{,}14$ g/mol **1 L ≈ 0,95 kg** assay (GC) ..... 97% boiling range ..... 174–176 °C refractive index (n_D^{20}) 1,439	FL. 2922	25 ml	48,75	41,45	39,–	36,55

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	2 (N
33691 A 6.1/21F C 6.1 2811 2	**4-Nitroso-N,N-diethylaniline** PROSYNTH® *4-Nitroso-N,N-dietylanilina / 4-Nitroso-N,N-dietilanilina* $(C_2H_5)_2NC_6H_4NO$ $C_{10}H_{14}N_2O$ *M* = 178,23 g/mol assay (ex N) ..... 97 % melting range ..... 83 – 85 °C R: 23/24/25-33 S: 28-37-44 disposal: 10	WG *2922*	50 g	51.–	43,35	4
33478 A 6.1/21F C 6.1 2811 3	**4-Nitroso-N,N-dimethylaniline** R. G. *4-Nitroso-N,N-dimetylanilina / 4-Nitroso-N,N-dimetilanilina* $(CH_3)_2NC_6H_4NO$ $C_8H_{10}N_2O$ *M* = 150,18 g/mol assay ..... min. 99 % melting range ..... 84 – 86 °C sulphated ash ..... max. 0,1 % R: 23/24/25-33 S: 28-37-44 disposal: 10	WG *2922*	50 g	29.–	24,65	23
63692 A 6.1/21F C 6.1 2811 3	**N-Nitrosodiphenylamine** PROSYNTH® *N-Nitrosodifenylamina / N-Nitrosodifenilamina* $(C_6H_5)_2NNO$ $C_{12}H_{10}N_2O$ *M* = 198,22 g/mol assay (ex N) ..... 95 % melting range ..... 64 – 66 °C R: 20/21/22 S: 28 disposal: 10	WG *2922*	250 g	21,50	18,30	17
33453 A 6.1/21F C 6.1 2811 3	**1-Nitrosonaphthol-(2)** R. G. *1-Nitrosonaphtol-(2) / 1-Nitrosonaftol-(2)* $C_{10}H_6(OH)(NO)$ $C_{10}H_7NO_2$ *M* = 173,17 g/mol melting range ..... 167 – 169 °C sulphated ash ..... max. 0,2 % suitability for determination of metals ..... passes test	WG. WG. *2907*	25 g 100 g	16,25 50.–	13,80 42,50	13 40
33451 A 6.1/21F C 6.1 2811 3	**2-Nitrosonaphthol-(1)** R. G. *2-Nitrosonaphtol-(1) / 2-Nitrosonaftol-(1)* $C_{10}H_6(OH)(NO)$ $C_{10}H_7NO_2$ *M* = 173,17 g/mol melting range ..... 149 – 150 °C sulphated ash ..... max. 0,2 % suitability for determination of metals ..... passes test	WG. WG. *2907*	5 g 25 g	21.– 84.–	17,85 71,40	16 67
	1-Nitrosonaphthol-3,6-disulphonic acid sodium salt see Nitroso-R-salt					
	N-Nitroso-1-naphthylhydroxylamine, ammonium salt see Neocupferron					
64116 A 6.1/21F C 6.1 2811 3	**4-Nitrosophenazone** PROSYNTH® *4-Nitrosofenazone / 4-Nitrosofenazona* $C_{11}H_{11}N_3O_2$ *M* = 217,23 g/mol assay ..... 95 %	WG *2935*	25 g	32,50	27,65	26.–
63693 A 6.1/21L C 6.1 2811 3	**4-Nitrosophenol** *4-Nitrosofenol / 4-Nitrosofenol* ONC_6H_4OH $C_6H_5NO_2$ *M* = 123,11 g/mol assay (HPLC) ..... 98 % melting range (on dry substance) ..... 130 – 132 °C (disint.) R: 23/24/25 S: 44 disposal: 20	PF. *2907*	250 g	40,75	34,65	32,6
	Nitrosophenylhydroxylamine ammonium salt see Cupferron					

refer explanations

(VSee)	Type of package B.T.N.	Price per package DM	1x	6x	24x	96x
troso R salt R. G. (1-nitroso-2-naphthol-3,6-disulphonic acid disodium salt) *Sel nitroso R / Sal nitrosa R* $HOC_{10}H_4NO(SO_3Na)_2$ $C_{10}H_5NNa_2O_8S_2$ *M* = 377,28 g/mol assay (iodometric) ..... min. 90 % loss on drying (105 °C) ..... max. 1 % residue on ignition (as sulphates) ..... max. 37 % suitability for determination of cobalt ..... passes test	WG 2907	25 g	11,50	9,80	9,20	8,65
Nitrostyrene PROSYNTH® *β-Nitrostyrène / β-Nitrosoestireno* $O_2NCH=CHC_6H_5$ $C_8H_7NO_2$ *M* = 149,15 g/mol assay (GC) ..... 98 % melting range ..... 57 – 59 °C R: 23/24/25 S: 44 disposal: 20	WG 2903	25 g	66,50	56,55	53,20	49,90
Nitrotoluene PROSYNTH® *2-Nitrotoluène / 2-Nitrotolueno* $CH_3C_6H_4NO_2$ $C_7H_7NO_2$ *M* = 137,14 g/mol 1 L ≈ 1,16 kg assay (GC) ..... 99 % boiling range ..... 220 – 222 °C refractive index (n_D^{20}) ..... 1,548 R: 23/24/25-33 S: 28-37-44 disposal: 20	FL. 2903	1 L	24,75	21,05	19,80	19,05
-Nitrotoluene PROSYNTH® *3-Nitrotoluène / 3-Nitrotolueno* $CH_3C_6H_4NO_2$ $C_7H_7NO_2$ *M* = 137,14 g/mol 1 L ≈ 1,17 kg assay (GC) ..... 99 % boiling range ..... 230 – 232 °C refractive index (n_D^{20}) ..... 1,546 R: 23/24/25-33 S: 28-37-44 disposal: 20	FL. 2903	1 L	42,—	35,70	33,60	32,35
-Nitrotoluene *4-Nitrotoluène / 4-Nitrotolueno* $CH_3C_6H_4NO_2$ $C_7H_7NO_2$ *M* = 137,14 g/mol R: 23/24/25-33 S: 28-37-44 disposal: 20	WG. 2903	1 kg	33,25	28,25	26,60	25,60
-Nitrouracil BIOSYNTH® *5-Nitrouracile / 5-Nitrouracil* $NHCONHCOC(NO_2)=CH$ $C_4H_3N_3O_4$ *M* = 157,09 g/mol	WG. 2935	10 g	63,—	53,55	50,40	47,25
-Nitroveratrole PROSYNTH® *4-Nitrovératrole / 4-Nitroveratrol* $C_6H_3(OCH_3)_2(NO_2)$ $C_8H_9NO_4$ *M* = 183,16 g/mol assay (GC) ..... 97 % melting range ..... 96 – 98 °C	WG 2908	250 g	111,50	94,80	89,20	83,65
2-Nitro-m-xylene PROSYNTH® *2-Nitro-m-xylène / 2-Nitro-m-xileno* $(CH_3)_2C_6H_3NO_2$ $C_8H_9NO_2$ *M* = 151,16 g/mol 1 L ≈ 1,11 kg assay (GC) ..... 99 % boiling range ..... 220 – 222 °C refractive index (n_D^{20}) ..... 1,52[illegible] R: 23/24/25-33 S: 28-37-44 disposal: 20	FL. 2903	250 ml	27,—	22,95	21,60	20,25

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)
62213 A 6.1/21N C 6.1 1665 2	**3-Nitro-o-xylene** PROSYNTH® *3-Nitro-o-xylène / 3-Nitro-o-xileno* $(CH_3)_2C_6H_3NO_2$ $C_8H_9NO_2$ M = 151,16 g/mol **1 L ≈ 1,14 kg** assay (GC) ..... 99% boiling range ..... 240–242 °C refractive index (n_D^{20}) ..... 1,544 R: 23/24/25-33 S: 28-37-44 disposal: 20	FL. *2903*	250 ml	35,50	30,20	28,40
63844 A 6.1/21N C 6.1 1665 2	**4-Nitro-m-xylene** PROSYNTH® *4-Nitro-m-xylène / 4-Nitro-m-xileno* $(CH_3)_2C_6H_3NO_2$ $C_8H_9NO_2$ M = 151,16 g/mol **1 L ≈ 1,13 kg** assay (GC) ..... 99% boiling range ..... 244–246 °C refractive index $^{20}_{D}$ ..... 1,550 R: 23/24/25-33 S: 28-37-44 disposal: 20	FL. *2903*	250 ml	54,50	46,35	43,60
62903 A 6.1/21N C 6.1 1665 2	**5-Nitro-m-xylene** PROSYNTH® *5-Nitro-m-xylène / 5-Nitro-m-xileno* $(CH_3)_2C_6H_3NO_2$ $C_8H_9NO_2$ M = 151,16 g/mol assay (GC) ..... 98% melting range ..... 69–72 °C R: 23/24/25-33 S: 28-37-44 disposal: 20	FL. *2903*	5 g	27,–	22,95	21,60
	Nonacarbonyldiiron see *di*-Iron-nonacarbonyl					
62905	**Nonadecane** PROSYNTH® *Nonadécane / Nonadecano* $CH_3(CH_2)_{17}CH_3$ $C_{19}H_{40}$ M = 268,53 g/mol assay (GC) ..... 99% melting range ..... 31–33 °C	FL. *2901*	25 ml	34,–	28,90	27,20
39425	**Nonadecanoic acid** BIOSYNTH® *Acide nonadécanoïque / Acido nonadecanóico* $CH_3(CH_2)_{17}COOH$ $C_{19}H_{38}O_2$ M = 298,51 g/mol	WG. *2914*	10 g	44,75	38,05	35,80
64754	**1-Nonadecanol** PROSYNTH® *Nonadécanol-1 / 1-Nonadecanol* $CH_3(CH_2)_{18}OH$ $C_{19}H_{40}O$ M = 284,52 g/mol assay (GC) ..... 97% melting range ..... 60–62 °C	WG. *2904*	5 g	35,50	30,20	28,40
65072	**2-Nonadecanol** PROSYNTH® *Nonadécanol-2 / 2-Nonadecanol* $CH_3(CH_2)_{16}CH(OH)CH_3$ $C_{19}H_{40}O$ M = 284,52 g/mol assay (GC) ..... 97% melting range ..... 49–51 °C	WG. *2904*	10 g	27,25	23,15	21,80
	Nonadecanone-(10) see Dinonyl ketone					

mber R GVS ODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
0 2	**Nonane** PROSYNTH® *Nonane / Nonano* $CH_3(CH_2)_7CH_3$ C_9H_{20} $M = 128{,}26$ g/mol **1 L ≈ 0,72 kg** assay (GC) ..... 99% boiling range ..... 148–150 °C refractive index (n_D^{20}) ..... 1,405 R: 10 disposal: 6	FL. *2901*	100 ml	27,25	23,15	21,80	20,45
0 2	***n*-Nonane** min. 99,9% for gas chromatography *n-Nonane / n-Nonano* $CH_3(CH_2)_7CH_3$ C_9H_{20} $M = 128{,}26$ g/mol **1 L ≈ 0,72 kg** R: 10 disposal: 6	FL. *2901*	5 ml	49,25	41,85	39,40	36,95
	Nonanedioic acid see Azelainic acid						
	***iso*-Nonanoic acid** PROSYNTH® *Acide iso-nonanoïque / Acido iso-nonanóico* $C_9H_{18}O_2$ $M = 158{,}24$ g/mol **1 L ≈ 0,90 kg** assay (alkalimetric) ..... 90% boiling range ..... 232–236 °C refractive index (n_D^{20}) 1,430	FL. *2914*	1 L	17,50	14,90	14,—	13,50
	Nonanoic acid see Pelargonic acid						
	1-Nonanol PROSYNTH® *Nonanol-1 / 1-Nonanol* $CH_3(CH_2)_8OH$ $C_9H_{20}O$ $M = 144{,}26$ g/mol **1 L ≈ 0,83 kg** assay (GC) ..... 98% boiling range ..... 213–215 °C refractive index (n_D^{20}) 1,433	FL. *2904*	100 ml	18,75	15,95	15,—	14,05
	2-Nonanol PROSYNTH® *Nonanol-2 / 2-Nonanol* $CH_3CH(OH)(CH_2)_6CH_3$ $C_9H_{20}O$ $M = 144{,}26$ g/mol **1 L ≈ 0,83 kg** assay (GC) ..... 97% boiling range ..... 192–194 °C refractive index (n_D^{20}) 1,431	FL. *2904*	25 ml	24,—	20,40	19,20	18,—
	4-Nonanol PROSYNTH® *Nonanol-4 / 4-Nonanol* $CH_3(CH_2)_2CH(OH)(CH_2)_4CH_3$ $C_9H_{20}O$ $M = 144{,}26$ g/mol **1 L ≈ 0,83 kg** assay (GC) 95%	FL. *2904*	5 ml	22,50	19,15	18,—	16,90
	5-Nonanol PROSYNTH® *Nonanol-5 / 5-Nonanol* $CH_3(CH_2)_3CH(OH)(CH_2)_3CH_3$ $C_9H_{20}O$ $M = 144{,}26$ g/mol **1 L ≈ 0,83 kg** assay (GC) 97%	FL. *2904*	25 ml	26,25	22,30	21,—	19,70
	***iso*-Nonanol** PROSYNTH® *iso-Nonanol / iso-Nonanol* $C_9H_{20}O$ $M = 144{,}26$ g/mol **1 L ≈ 0,83 kg** assay of 3,5,5-trimethylhexanol ..... 88% assay of C_9-alcohols 98%	FL. *2904*	1 L	18,—	15,30	14,40	13,85
	Nonanone-(2) PROSYNTH® *Nonanone-(2) / Nonanona-(2)* $CH_3CO(CH_2)_6CH_3$ $C_9H_{18}O$ $M = 142{,}24$ g/mol **1 L ≈ 0,82 kg** assay (GC) ..... 98% boiling range ..... 193–195 °C refractive index (n_D^{20}) 1,421	FL. *2913*	50 ml	25,25	21,45	20,20	18,95

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30825 A 3/4 +66 °C	**Nonanone-(3)** min. 99,9% for gas chromatography *Nonanone-(3) / Nonanona-(3)* $CH_3(CH_2)_5COC_2H_5$ $C_9H_{18}O$ M = 142,24 g/mol **1 L ≈ 0,82 kg** assay (GC) ..... 97% boiling range ..... 187–190 °C refractive index (n_D^{20}) 1,421	FL. *2913*	5 ml	49,25	41,85	39,40	36,9
62908 A 3/4 +66 °C	**Nonanone-(3)** PROSYNTH® *Nonanone-(3) / Nonanona-(3)* $CH_3(CH_2)_5COC_2H_5$ $C_9H_{18}O$ M = 142,24 g/mol **1 L ≈ 0,82 kg** assay (GC) ..... 97% boiling range ..... 187–190 °C refractive index (n_D^{20}) 1,421	FL. *2913*	25 ml	22,–	18,70	17,60	16,5
	Nonanone-(4) see Amyl-*iso*-propyl ketone						
30826 A 3/4 +65 °C	**Nonanone-(5)** min. 99,9% for gas chromatography *Nonanone-(5) / Nonanona-(5)* $CH_3(CH_2)_3CO(CH_2)_3CH_3$ $C_9H_{18}O$ M = 142,24 g/mol **1 L ≈ 0,81 kg**	FL. *2913*	5 ml	49,25	41,85	39,40	36,9
62909 A 3/4 +66 °C	**Nonanone-(5)** PROSYNTH® *Nonanone-(5) / Nonanona-(5)* $CH_3(CH_2)_3CO(CH_2)_3CH_3$ $C_9H_{18}O$ M = 142,24 g/mol **1 L ≈ 0,81 kg** assay (GC) ..... 98% boiling range ..... 186–188 °C refractive index (n_D^{20}) 1,418	FL. *2913*	100 ml	26,50	22,55	21,20	19,9
	Nonanonitrile see Pelargonitrile						
63695 A 3/3 C 3.3 1993 2 +24 °C	**1-Nonene** PROSYNTH® *Nonène-(1) / Noneno-(1)* $CH_3(CH_2)_6CH=CH_2$ C_9H_{18} M = 126,24 g/mol **1 L ≈ 0,73 kg** assay (GC) ..... 97% boiling range ..... 144–146 °C refractive index (n_D^{20}) ..... 1,416 R: 10 disposal: 6	FL. *2901*	25 ml	17,75	15,10	14,20	13,3
65073 A 3/3 C 3.3 1993 2 +30 °C	**4-Nonene** PROSYNTH® mixture of *cis*- and *trans*-isomers *Nonène-4 / 4-Noneno* $CH_3(CH_2)_3CH=CHCH_2CH_2CH_3$ C_9H_{18} M = 126,24 g/mol **1 L ≈ 0,73 kg** assay (GC) ..... 99% boiling range ..... 146–148 °C refractive index (n_D^{20}) 1,420	FL. *2901*	10 ml	46,50	39,55	37,20	34,9
	Nonyl alcohol see 1-Nonanol						
60446 A 3/3 C 3.3 1993 2 +40 °C	*iso*-**Nonylaldehyde** PROSYNTH® *Aldéhyde iso-nonylique / Aldehido iso-nonílico* $C_9H_{18}O$ M = 142,24 g/mol **1 L ≈ 0,82 kg** assay (GC) ..... 95% boiling range (at 1033 mbar) ..... 171–173 °C refractive index (n_D^{20}) ..... 1,421 R: 10 disposal: 14	FL. *2911*	100 ml	35,–	29,75	28,–	26,2
60464 A 8/35 C 8 1760 2	*iso*-**Nonylamine** PROSYNTH® *Isononylamine / Isononilamina* $C_9H_{21}N$ M = 143,27 g/mol **1 L ≈ 0,79 kg** assay (GC) ..... 99% boiling range ..... 175–177 °C refractive index (n_D^{20}) 1,432	FL. *2922*	100 ml	18,–	15,30	14,40	13,5

refer explanations

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2910 /35 1760 2 4°C	**Nonylamine** PROSYNTH® *Nonylamine / Nonilamina* $CH_3(CH_2)_8NH_2$ $C_9H_{21}N$ $M = 143,27$ g/mol **1 L ≈ 0,79 kg** assay (GC) ..... 98% boiling range ..... 198–200 °C refractive index (n_D^{20}) 1,434	FL. 2922	25 ml	38,–	32,30	30,40	28,50
	Nonylbenzene see 1-Phenylnonane						
	Nonyl bromide see 1-Bromononane						
2755	**L(–)-Noradrenaline-L-tartrate** PROSYNTH® *L(–)-Noradrénaline-L-tartrate / L(–)-Noradrenalina-L-tartrato* $(HO)_2C_6H_3CH(OH)CH_2NH_2 \cdot C_4H_6O_6 \cdot H_2O$ $C_{12}H_{17}NO_9 \cdot H_2O$ $M = 337,28$ g/mol assay ..... 98% melting range ..... 101–103 °C specific rotation ($[\alpha]_D^{20}$, c = 5 in H_2O) ..... 10 °C ± 1°C	WG. 2923	5 g	54,50	46,35	43,60	40,90
2911 3/1A 3.2 1993 2 °C	**Norbornadiene-(2,5)** PROSYNTH® *Norbornadiène-(2-5) / Norbornadieno-(2,5)* C_7H_8 $M = 92,14$ g/mol **1 L ≈ 0,91 kg** assay (GC) ..... 99% boiling range ..... 88–90 °C refractive index (n_D^{20}) ..... 1,470 keep in refrigerator à stocker dans le frigedaire almacenaje en la nevera R: 11 S: 9-16-33 disposal: 6	FL. 2901	250 ml	34,–	28,90	27,20	25,50
9027	**L(+)-Norleucine** BIOSYNTH® *L(+)-Norleucine / L(+)-Norleucina* $CH_3(CH_2)_3CH(NH_2)COOH$ $C_6H_{13}NO_2$ $M = 131,17$ g/mol assay (ex N) ..... 99% specific rotation ($[\alpha]_D^{20}$; c = 4 in 6 N HCl) ..... +24° ± 1°	FL. 2923	1 g	96,–	81,60	76,80	72,–
	Normal solutions see under the names						
3752	**NTC** (Neotetrazolium chloride) $[C_6H_5NN{=}C(C_6H_5)N{=}N(Cl)C_6H_4\text{-}]_2$ $C_{38}H_{28}Cl_2N_8$ $M = 667,60$ g/mol	FL. 2930	1 g	24,–	20,40	19,20	18,–
	Nuclear-fast-red see Neutral red						
9838	**Nucleosil® 100** 0,005 mm (5 µm) *Nucleosil® 100 / Nucleosil® 100* ® = trade mark of Macherey-Nagel + Co.	WG. 2813	3 g	60,–	51,–	48,–	45,–
9839	**Nucleosil® 100** 0,010 mm (10 µm) *Nucleosil® 100 / Nucleosil® 100*	WG. 2813	3 g	60,–	51,–	48,–	45,–
9840	**Nucleosil®** 0,005 mm (5 µm) C_8-reverse phase *Nucleosil® / Nucleosil®*	WG. 2813	3 g	141,50	120,30	113,20	106,15
9841	**Nucleosil®** 0,010 mm (10 µm) C_8-reverse phase *Nucleosil® / Nucleosil®*	WG. 2813	3 g	141,50	120,30	113,20	106,15
9842	**Nucleosil®** 0,005 mm (5 µm) C_{18}-reverse phase *Nucleosil® / Nucleosil®*	WG. 2813	3 g	141,50	120,30	113,20	106,15
9843	**Nucleosil®** 0,010 mm (10 µm) C_{18}-reverse phase *Nucleosil® / Nucleosil®*	WG. 2813	3 g	141,50	120,30	113,20	106,15
	Nujol see Paraffin liquid						

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36057 A 8/32 C 8 1824 2	**Nylander's solution** reagent for detection of glucose *Solution de Nylander / Solución de Nylander* **1 L ≈ 1,14 kg** R: 35 S: 2-26-27-37/39 disposal: 3	PF. PF. PF. *3819*	250 ml 1 L 2,5 L	9,50 23,— 49,—	8,10 19,55 40,65	7,60 18,40 38,20	7,1 17,7 36,7
36058 A 8/5 C 8 1789 2	**Obermayer's solution** DAB 6 for detection of indican *Solution d'Obermayer / Solución de Obermayer* **1 L ≈ 1,01 kg** R: 34-37 S: 2-26 disposal: 1	FL. *3819*	250 ml	10,50	8,95	8,40	7,9
15933	**Octabromophenol ether** *Ether octabromophénolique / Eter octabromofenólico* $(CH_3)_2C(C_6H_2Br_2OCH_2CHBrCH_2Br)_2$ $C_{21}H_{20}Br_8O_2$ $M = 943,62$ g/mol assay (ex Br) 97%	PF. FTP. *2908*	1 kg 50 kg	price on request price on request			
	4,5,6,7,3',5',3'',5''-Octabromophenolsulphonephthalein see Tetrabromophenol blue						
64118	**Octacosane** PROSYNTH® *Octacosane / Octacosano* $CH_3(CH_2)_{26}CH_3$ $C_{28}H_{58}$ $M = 394,77$ g/mol melting range ..... 58—60 °C	WG. *2901*	10 g	33,25	28,25	26,60	24,9
	Octadecadeuterohexamethylphosphoric triamide see Hexamethylphosphoric triamide-D_{18}						
32263	***n*-Octadecane** min. 99,9% for gas chromatography *n-Octadécane / n-Octadecano* $CH_3(CH_2)_{16}CH_3$ $C_{18}H_{38}$ $M = 254,50$ g/mol **1 L ≈ 0,78 kg**	FL. *2901*	5 ml	49,25	41,85	39,40	36,9
62912	***n*-Octadecane** PROSYNTH® *n-Octadécane / n-Octadecano* $CH_3(CH_2)_{16}CH_3$ $C_{18}H_{38}$ $M = 254,50$ g/mol assay (GC) ..... 99% melting range ..... 29—30 °C	FL. *2901*	100 ml	35,75	30,40	28,60	26,8
63699	**Octadecanethiol-(1)** PROSYNTH® *Octadécanethiol-(1) / Octadecanotiol-(1)* $CH_3(CH_2)_{17}SH$ $C_{18}H_{38}S$ $M = 286,56$ g/mol **1 L ≈ 0,86 kg** assay (GC) 95%	FL. *2931*	25 g	53,50	45,50	42,80	40,1
60450	***iso*-Octadecanol** PROSYNTH® *iso-Octadécanol / iso-Octadecanol* $C_{18}H_{38}O$ $M = 270,50$ g/mol **1 L ≈ 0,84 kg** OHZ 200	FL. *2904*	500 ml	51,—	43,35	40,80	39,2
	Octadecanol-(1) see Stearyl alcohol						
	9c,12c,15c-Octadecatrienic acid see Linolenic acid						
62914	**Octadecene-(1)** PROSYNTH® *Octadécène-(1) / Octadeceno-(1)* $CH_3(CH_2)_{15}CH=CH_2$ $C_{18}H_{36}$ $M = 252,48$ g/mol **1 L ≈ 0,79 kg** assay (GC) ..... 99% boiling range (at 20 mbar) ..... 177—179 °C refractive index (n_D^{20}) 1,445	FL. *2901*	100 ml	56,50	48,05	45,20	42,4
	***cis*-Octadecene-(9)-ylamine** see Oleylamine						
	***trans*-9-Octadecenoic acid** see Elaidic acid						
	Octadecyl alcohol see Stearyl alcohol						

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2915	**Octadecylamine** PROSYNTH Genamin® *Octadécylamine / Octadecilamina* Genamin® = trade mark of Hoechst AG $CH_3(CH_2)_{17}NH_2$ $C_{18}H_{39}N$ $M = 269{,}51$ g/mol assay (GC) ..... 98 % melting range ..... 54 – 56 °C R: 34 S: 26 disposal: 19	WG. *2922*	500 g	23,75	20,20	19,—	18,30
	Octadecyl bromide see 1-Bromooctadecane						
3698	**Octadecyl cyanide** PROSYNTH® *Octadécyle cyanure / Octadecilo cianuro* $CH_3(CH_2)_{17}CN$ $C_{19}H_{37}N$ $M = 279{,}51$ g/mol melting range ..... 42 – 43 °C R: 23/24/25 S: 44 disposal: 15	WG. *2927*	10 g	26,25	22,30	21,—	19,70
	Octadecyl iodide see 1-Iodooctadecane						
	Octadecyl mercaptan see Octadecanethiol-(1)						
	Octadeuterodioxan see Dioxane-D_8						
	Octadeuteronaphthalene see Naphthalene-D_8						
	Octadeuteropropanol-(2) see Propanol-(2)-D_8						
	Octadeuterotoluene see Toluene-D_8						
4757 8/35 8 1719 2	**Octamethylenediamine** PROSYNTH® *Octaméthylènediamine / Octametilendiamina* $NH_2(CH_2)_8NH_2$ $C_8H_{20}N_2$ $M = 144{,}26$ g/mol assay ..... 98 % melting range ..... 50 – 52 °C	WG. *2922*	100 g	43,75	37,20	35,—	32,80
	Octamethylene dicyanide see Sebacic acid dinitrile						
	Octanal see Caprylaldehyde						
2916 3/1A 3.2 1262 2 13 °C	★ **Octane** PROSYNTH® *Octane / Octano* $CH_3(CH_2)_6CH_3$ C_8H_{18} $M = 114{,}23$ g/mol **1 L ≈ 0,70 kg** assay (GC) ..... 98 % boiling range ..... 124 – 126 °C refractive index (n_D^{20}) ..... 1,398 R: 11 S: 9-16-29-33 disposal: 6	FL. *2901*	500 ml	79,—	67,15	63,20	60,85
6506 3/1A 3.2 1262 2 13 °C	★ **Octane** (from petroleum) *Octane / Octano* C_8H_{18} $M = 114{,}23$ g/mol **1 L ≈ 0,72 kg** boiling range ..... 123 – 125 °C density (D_4^{20}) ..... 0,721 – 0,722 refractive index (n_D^{20}) ..... 1,4020 – 1,4050 non-volatile matter ..... 0,001 % R: 11 S: 9-16-29-33 disposal: 6	FL. FL. *2710*	1 L 2,5 L	22,— 46,50	18,70 38,60	17,60 36,25	16,95 34,90

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	FL. *2901*	500 ml	33,25	28,25	26,60	25,60
	FL. *2901*	2,5 L	125,50	104,15	97,90	94,15
	FL. *2901*	1 L	49,50	42,10	39,60	38,10
	FL. *2901*	500 ml	14,25	12,10	11,40	10,95
	FL. *2901*	1 L	25,50	21,70	20,40	19,65
	EKL. *2901*	30 L	L	9,80		
	FL. *2901*	5 ml	49,25	41,85	39,40	36,95
	WG. *2904*	25 g	24,—	20,40	19,20	18,—
	FL. *2931*	100 ml	11,75	10,—	9,40	8,80

34918 ***iso*-Octane** SPECTRANAL®
A 3/1A *iso-Octane / iso-Octano*
C 3.2 1262 2 $(CH_3)_2CHCH_2C(CH_3)_3$
-12 °C C_8H_{18} $M = 114{,}23$ g/mol **1 L ≈ 0,69 kg**

assay (GC) ..... min. 99 %
non-volatile matter ..... max. 0,0005 %
free acid (as CH_3COOH) ..... max. 0,001 %
water (acc. to Karl Fischer) ..... max. 0,01 %
suitability for UV spectroscopy
transmittance (1 cm cell/reference: water)
transmittance/wavelength (nm):
min. 45 %/210, min. 73 %/220, min. 85 %/230, min. 95 %/245, min. 98 %/from 255
suitability for IR spectroscopy ..... passes test

R: 11 S: 9-16-29-33
disposal: 6

34862 ★ ***iso*-Octane** CHROMASOLV® for chromatography (UV-detection)
A 3/1A *iso-Octane / iso-Octano*
C 3.2 1262 2 $(CH_3)_2CHCH_2C(CH_3)_3$
-12 °C C_8H_{18} $M = 114{,}23$ g/mol **1 L ≈ 0,69 kg**

assay (GC) ..... min. 99 %
non-volatile matter ..... max. 0,0005 %
water (according to Karl Fischer) ..... max. 0,01 %
free acid (as CH_3COOH) ..... max. 0,001 %
transmittance (1 cm cell; reference water)
transmittance/wavelength (nm):
min. 20 %/210, min. 80 %/235, min. 98 %/from 270

R: 11 S: 9-16-29-33
disposal: 6

16514 ★ ***iso*-Octane**
A 3/1A *iso-Octane / iso-Octano*
C 3.2 1262 2 $(CH_3)_2CHCH_2C(CH_3)_3$
-12 °C C_8H_{18} $M = 114{,}23$ g/mol **1 L ≈ 0,69 kg**

assay (GC) ..... 99,5 %
boiling range ..... 97—100 °C
density (D_4^{20}) ..... 0,692—0,693
refractive index (n_D^{20}) ..... 1,3915—1,3925
non-volatile matter ..... 0,001 %

R: 11 S: 9-16-29-33
disposal: 6

32253 ***n*-Octane** min. 99,9 % for gas chromatography
A 3/1A *n-Octane / n-Octano*
C 3.2 1262 2 $CH_3(CH_2)_6CH_3$
+13 °C C_8H_{18} $M = 114{,}23$ g/mol **1 L ≈ 0,70 kg**

R: 11 S: 9-16-29-33
disposal: 6

Octanedioic acid see Suberic acid

64758 **1,8-Octanediol** PROSYNTH®
Octanediol-1-8 / 1,8-Octanodiol
$HO(CH_2)_8OH$
$C_8H_{18}O_2$ $M = 146{,}23$ g/mol

assay (GC) ..... 98 %
melting range ..... 58—60 °C

Octanenitrile see Caprylonitrile

62920 **1-Octanethiol** PROSYNTH®
A 3/4 *Octanethiol-(1) / 1-Octanotiol*
+68 °C $CH_3(CH_2)_7SH$
$C_8H_{18}S$ $M = 146{,}30$ g/mol **1 L ≈ 0,84 kg**

assay (GC) ..... 98 %
boiling range ..... 197—199 °C
refractive index (n_D^{20}) 1,453

refer explanations

ode-Number RID/ADR GGVE/GGVS IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
0457	***iso*-Octanoic acid** PROSYNTH® *Acide iso-octanoïque / Acido iso-octanóico* $C_8H_{16}O_2$ $M = 144,21$ g/mol **1 L ≈ 0,92 kg** assay (alkalimetric) ..... 98 % boiling range ..... 232 – 234 °C refractive index (n_D^{20}) 1,430	FL. *2914*	500 ml	13,50	11,50	10,80	10,40
	***n*-Octanoic acid** see *n*-Caprylic acid						
4134 3/4 81 °C	**1-Octanol** *Octanol-1 / 1-Octanol* $CH_3(CH_2)_7OH$ $C_8H_{18}O$ $M = 130,23$ g/mol **1 L ≈ 0,82 kg** assay (GC) ..... 99,5 % boiling range ..... 193 – 195 °C density (D_4^{20}) ..... 0,825 – 0,827 refractive index (n_D^{20}) ..... 1,4290 – 1,4310 non-volatile matter ..... 0,002 %	FL. FL. EKL. EKL. *2904*	500 ml 1 L 20 kg 5x	14,25 26,– kg kg	12,10 22,10 11,– 10,50	11,40 20,80	10,95 20,–
4133 3/4 81 °C	**2-Octanol** *Octanol-2 / 2-Octanol* $CH_3(CH_2)_5CH(OH)CH_3$ $C_8H_{18}O$ $M = 130,23$ g/mol **1 L ≈ 0,82 kg** assay (GC) ..... 98 % boiling range ..... 178 – 180 °C density (D_4^{20}) ..... 0,816 – 0,820 refractive index (n_D^{20}) ..... 1,4255 – 1,4265	FL. FL. EKL. *2904*	500 ml 2,5 L 20 kg	15,75 60,– kg	13,40 49,80 8,60	12,60 46,80	12,15 45,–
2917 3/4 38 °C	**3-Octanol** PROSYNTH® *Octanol-3 / 3-Octanol* $CH_3(CH_2)_4CH(OH)CH_2CH_3$ $C_8H_{18}O$ $M = 130,23$ g/mol **1 L ≈ 0,82 kg** assay (GC) ..... 98 % boiling range ..... 176 – 178 °C refractive index (n_D^{20}) 1,425	FL. *2904*	100 ml	118,–	100,30	94,40	88,50
823 3/4 .3 1224 2 6 °C	**Octanone-(2)** min. 99,9 % for gas chromatography *Octanone-(2) / Octanona-(2)* $CH_3(CH_2)_5COCH_3$ $C_8H_{16}O$ $M = 128,21$ g/mol **1 L ≈ 0,82 kg**	FL. *2913*	5 ml	49,25	41,85	39,40	36,95
918 /4 .3 1224 2 6 °C	**Octanone-(2)** PROSYNTH® *Octanone-(2) / Octanona-(2)* $CH_3(CH_2)_5COCH_3$ $C_8H_{16}O$ $M = 128,21$ g/mol **1 L ≈ 0,82 kg** assay (GC) ..... 98 % boiling range ..... 171 – 173 °C refractive index (n_D^{20}) 1,415	FL. *2913*	1 L	180,–	153,–	144,–	138,60
924 /3 3 2271 3 5 °C	**Octanone-(3)** min. 99,9 % for gas chromatography *Octanone-(3) / Octanona-(3)* $CH_3(CH_2)_4COC_2H_5$ $C_8H_{16}O$ $M = 128,21$ g/mol **1 L ≈ 0,82 kg**	FL. *2913*	5 ml	49,25	41,85	39,40	36,95
919 /3 3 1224 2 5 °C	**Octanone-(3)** PROSYNTH® *Octanone-(3) / Octanona-(3)* $CH_3(CH_2)_4COC_2H_5$ $C_8H_{16}O$ $M = 128,21$ g/mol **1 L ≈ 0,82 kg** assay (GC) ..... 98 % boiling range ..... 166 – 169 °C refractive index (n_D^{20}) ..... 1,415 R: 10 disposal: 6	FL. *2913*	100 ml	30,75	26,15	24,60	23,05

PANPEHA® universal indicator paper in strips

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
62921 A 3/1A C 3.2 1993 2 +8 °C	**Octene-(1)** PROSYNTH® *Octène-(1) / Octeno-(1)* $CH_3(CH_2)_5CH=CH_2$ C_8H_{16} M = 112,21 g/mol **1 L ≈ 0,71 kg** assay (GC) ..... 98 % boiling range ..... 119–121 °C refractive index (n_D^{20}) 1,409	FL. *2901*	500 ml	18,–	15,30	14,40	13,8
	***n*-Octyl alcohol, primary** see Octanol-(1)						
	Octyl alcohol, secondary see Octanol-(2)						
62924 A 8/35 C 3.3 1993 2 +60 °C	**n-Octylamine** PROSYNTH® Genamin® *n-Octylamine / n-Octilamina* Genamin® = trade mark of Hoechst AG $CH_3(CH_2)_7NH_2$ $C_8H_{19}N$ M = 129,24 g/mol **1 L ≈ 0,78 kg** assay (GC) ..... 99 % boiling range ..... 177–179 °C refractive index (n_D^{20}) ..... 1,429 R: 34 S: 26 disposal: 19	FL. *2922*	250 ml	19,75	16,80	15,80	14,8
	Octylbenzene see 1-Phenyloctane						
	***n*-Octyl bromide** see 1-Bromooctane						
39473	**Octyl-β-D-glucopyranose** BIOSYNTH® (*n*-Octyl glucoside) *Octyle-β-D-glucopyranose / Octil-β-D-glucopiranosa* $C_{14}H_{28}O_6$ M = 292,37 g/mol specific rotation ($[\alpha]_D^{20}$, c = 0,8 in CH_3OH) ..... −30° ±2°	FL. *2941*	1 g	69,–	58,65	55,20	51,7
	***n*-Octyl iodide** see 1-Iodooctane						
	Octyl mercaptan see 1-Octanethiol						
64120	**Octylsuccinic acid** PROSYNTH® *Acide octylsuccinique / Acido octilsuccínico* $CH_3(CH_2)_7CH(COOH)CH_2COOH$ $C_{12}H_{22}O_4$ M = 230,30 g/mol assay (alkalimetric) ..... 92 %	WG. *2915*	25 g	30,–	25,50	24,–	22
63916 A 3/1A C 3.2 1993 2 +16 °C	**Octyne-(1)** PROSYNTH® *Octyne-(1) / Octino-(1)* $HC\equiv C(CH_2)_5CH_3$ C_8H_{14} M = 110,20 g/mol **1 L ≈ 0,74 kg** assay (GC) ..... 98 % boiling range ..... 123–125 °C refractive index (n_D^{20}) ..... 1,416 R: 11 S: 9-16-33 disposal: 6	FL. *2901*	5 ml	16,–	13,60	12,80	12,
63917 A 3/1A C 3.2 1993 2 +16 °C	**Octyne-(2)** PROSYNTH® *Octyne-(2) / Octino-(2)* $CH_3C\equiv C(CH_2)_4CH_3$ C_8H_{14} M = 110,20 g/mol **1 L ≈ 0,78 kg** assay (GC) ..... 98 % boiling range ..... 136–138 °C refractive index (n_D^{20}) ..... 1,428 R: 11 S: 9-16-33 disposal: 6	FL. *2901*	5 ml	49,–	41,65	39,20	36,

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3918 3/1A 3.2 1993 2 16 °C	**Octyne-(3)** PROSYNTH® *Octyne-(3) / Octino-(3)* $CH_3CH_2C \equiv C(CH_2)_3CH_3$ C_8H_{14} $M = 110{,}20$ g/mol **1 L ≈ 0,75 kg** assay (GC) ..... 98 % boiling range ..... 131 – 133 °C refractive index (n_D^{20}) ..... 1,425 R: 11 S: 9-16-33 disposal: 6	FL. 2901	5 ml	59,50	50,60	47,60	44,65
2923 3/1A 3.2 1993 2 10 °C	**Octyne-(4)** PROSYNTH® *Octyne-(4) / Octino-(4)* $CH_3CH_2CH_2C \equiv CCH_2CH_2CH_3$ C_8H_{14} $M = 110{,}20$ g/mol **1 L ≈ 0,75 kg** assay (GC) ..... 99 % boiling range ..... 130 – 132 °C refractive index (n_D^{20}) ..... 1,425 R: 11 S: 9-16-33 disposal: 6	FL. 2901	25 ml	94,–	79,90	75,20	70,50
	Oe... see E...						
	Oil of cedar wood see Cedar wood oil						
3483	**Oil of cloves** for microscopy *Huile de girofles / Aceite de clavos*	FL. 3301	100 ml	16,–	13,60	12,80	12,–
1245 3/3 3.3 1299 3 36 °C	**Oil of turpentine** rectified DAB 8 *Essence de térébenthine / Esencia de trementina* **1 L ≈ 0,86 kg** density (D_{20}^{20}) ..... 0,856 – 0,867 refractive index (n_D^{20}) ..... 1,4670 – 1,4780 optical rotation (α_D^{20}) ..... + 48° to – 40°	FL. FL. EKL. 3807	1 L 2,5 L 25 kg	24,– 51,50 price on request	20,40 42,75	19,20 40,15	18,50 38,65
	Oil red see Sudan III						
3427	**Oleic acid** BIOSYNTH® *Acide oléique / Acido oléico* $CH_3(CH_2)_7CH = CH(CH_2)_7COOH$ $C_{18}H_{34}O_2$ $M = 282{,}47$ g/mol **1 L ≈ 0,89 kg** keep in refrigerator à stocker dans le firgidaire almacenaje en la nevera	FL. 2914	5 ml	51,50	43,80	41,20	38,65
1728	**Oleic acid** pure Erg. B. 6 *Acide oléique / Acido oléico* $CH_3(CH_2)_7CH = CH(CH_2)_7COOH$ $C_{18}H_{34}O_2$ $M = 282{,}47$ g/mol **1 L ≈ 0,89 kg** congealing point ..... 7,5 °C sulphated ash ..... 0,005 % iodine number ..... 92 acid number ..... 200 mineral acids ..... passes test neutral fat, mineral oils ..... passes test	FL. FL. EKL. EKL. 2914	1 L 2,5 L 30 kg 5x	17,– 35,75 kg kg	14,45 29,65 6,80 6,55	13,60 27,90	13,10 26,80
	Oleic acid chloride see Oleoyl chloride						
1759 1722 1760 2	**Oleoyl chloride** PROSYNTH® *Oléoyle chlorure / Oleoílo cloruro* $CH_3(CH_2)_7CH = CH(CH_2)_7COCl$ $C_{18}H_{33}ClO$ $M = 300{,}91$ g/mol **1 L ≈ 0,94 kg** assay ..... 97 % boiling range (at 16 mbar) ..... 182 – 184 °C refractive index (n_D^{20}) 1,461	FL. 2914	250 ml	26,50	22,55	21,20	19,90
	Oleum see Sulphuric acid fuming						

PEHANAL® universal indicator paper in rolls

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		FL. 2922	500 ml	28,25	24,—	22,60	21,
63701	**Oleylamine** PROSYNTH® *Oléylamine / Oleilamina* $CH_3(CH_2)_7CH=CH(CH_2)_7CH_2NH_2$ $C_{18}H_{37}N$ M = 267,50 g/mol 1 L ≈ 0,83 kg assay (ex N) ..... 97% boiling range (at 15 mbar) ..... 196 – 199 C refractive index (n_D^{20}) 1,458						
	Onanthic acid see Enanthic acid						
	Orange I see Tropaeolin 000 No.1						
	Orange II see Tropaeolin 000 No.2						
	Orange III see Methyl orange						
	Orange IV see Tropaeolin 000						
63702	**Orcinol monohydrate** PROSYNTH® *Orcinol monohydrate / Orcina monohidrato* $CH_3C_6H_3(OH)_2 \cdot H_2O$ $C_7H_8O_2 \cdot H_2O$ M = 142,15 g/mol assay (jodometric) ..... 99% melting range ..... 56-61 °C	WG. 2906	10 g	22,25	18,90	17,80	16,
39028	**L(+)-Ornithine monohydrochloride** BIOSYNTH® *L(+)-Ornithine monochlorhydrate / L(+)-Ornitina monoclorhidrato* $NH_2(CH_2)_3CH(NH_2)COOH \cdot HCl$ $C_5H_{13}ClN_2O_2$ M = 168,62 g/mol assay (ex N) ..... 99% specific rotation ($[\alpha]_D^{20}$; c = 4 in HCl 6 mol/l) +23,5° ± 1°	WG. 2923	10 g	19,—	16,15	15,20	14,
39429	**Orotic acid** BIOSYNTH® *Acide orotique / Acido orótico* $N=C(OH)N=C(OH)CH=CCOOH$ $C_5H_4N_2O_4$ M = 156,10 g/mol	WG. 2935	100 g	32,75	27,85	26,20	24,
63703	**Orotic acid monohydrate** PROSYNTH® *Acide orotique monohydraté / Acido orótico monohidrato* $N=C(OH)N=C(OH)CH=CCOOH \cdot H_2O$ $C_5H_4N_2O_4 \cdot H_2O$ M = 174,11 g/mol assay (ex N) 98%	WG. 2935	100 g	38,25	32,50	30,60	28,
	Orsat see Copper(I) chloride solution Potassium hydroxide solution 50% Pyrogallol solution 25%						
	Orthoarsenic acid see *ortho*-Arsenic acid						
	Orthoperiodic acid see *ortho*-Periodic acid						
	Orthophosphoric acid see *ortho*-Phosphoric acid						
10440	**Osmium** powder *Osmium / Osmio* Os M = 190,2 g/mol assay 99%	FL. 7109	1 g	125,50	106,70	100,40	94,
	Osmium acid see Osmium(VIII) oxide						
14806 C 6.1 2471 1	**Osmium(VIII) oxide** (tetroxide) *Osmium(VIII) oxyde / Osmio(VIII) óxido* sealed tube of 0,1 g OsO_4 M = 254,20 g/mol R: 26/27/28-34 S: 7/9-26-45 disposal: 24	2849	1 pack	13,—	11,05	10,40	9,

refer explanations

ode-Number RID/ADR GGVE/GGVS IMDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
807 .1 2471 1	**Osmium(VIII) oxide** (tetroxide) *Osmium(VIII) oxyde / Osmio(VIII) óxido* sealed tube of 0,25 g OsO_4 $M = 254{,}20$ g/mol R: 26/27/28-34 S: 7/9-26-45 disposal: 24	2849	1 pack	29,—	24,65	23,20	21,75
808 .1 2471 1	**Osmium(VIII) oxide** (tetroxide) *Osmium(VIII) oxyde / Osmio(VIII) óxido* sealed tube of 0,5 g OsO_4 $M = 254{,}20$ g/mol R: 26/27/28-34 S: 7/9-26-45 disposal: 24	2849	1 pack	54,—	45,90	43,20	40,50
809 .1 2471 1	**Osmium(VIII) oxide** (tetroxide) *Osmium(VIII) oxyde / Osmio(VIII) óxido* sealed tube of 1 g OsO_4 $M = 254{,}20$ g/mol R: 26/27/28-34 S: 7/9-26-45 disposal: 24	2849	1 pack	92,—	78,20	73,60	69,—
832 .1 2471 1	**Osmium(VIII) oxide** (tetroxide) *Osmium(VIII) oxyde / Osmio(VIII) óxido* sealed tube of 5 g OsO_4 $M = 254{,}20$ g/mol R: 26/27/28-34 S: 7/9-26-45 disposal: 24	2849	1 pack	442,—	375,70	353,60	331,50
	Osmium tetraoxide see Osmium(VIII) oxide						
704	**Oxalacetic acid** PROSYNTH® *Acide oxalacétique / Acido oxalacético* $HOOCCH_2COCOOH$ $C_4H_4O_5$ $M = 132{,}07$ g/mol assay (alkalimetric) 97%	WG. 2916	10 g	83,—	70,55	66,40	62,25
295	**Oxalic acid solution 0,5 mol/l** 1 N volumetric solution *Acide oxalique en solution 0,5 mol/l / Acido oxálico en solución 0,5 mol/l* 1 L ≈ 1,02 kg	PF. 3819	1 L	21,75	18,50	17,40	16,75
250	**0,05 mol Oxalic acid** FIXANAL® 6,303 g $(COOH)_2 \cdot 2H_2O$ for 1 L 0,1 N solution *0,05 mol Acide oxalique / 0,05 mol Acido oxálico* ampoule R: 22 S: 24/25	3819	1 pack	8,75	7,45	7,—	6,55
30	**Oxalic acid** chem. pure anhydrous *Acide oxalique / Acido oxálico* HOOCCOOH $C_2H_2O_4$ $M = 90{,}04$ g/mol assay ..... 99% water (according to Karl Fischer) ..... 1% sulphated ash ..... 0,05% iron (Fe) ..... 0,002% heavy metals (as Pb) ..... 0,001% chloride (Cl) ..... 0,002% sulphate (SO_4) ..... 0,02% R: 21/22 S: 2-24/25 disposal: 21	PF. PF. BLTP. 2915	1 kg 2,5 kg 50 kg	35,75 77,50 price on request	30,40 64,35	28,60 60,45	27,55 58,15

PESTANAL® high purity pesticides, metabolites and solvents

Code-Number
A) RID/ADR
B) GGVE/GGVS
C) IMDG-CODE (GGVSee)

		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	9 (16 B
33506	**Oxalic acid dihydrate** R. G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I *Acide oxalique dihydrate / Acido oxálico dihidrato* $HOOCCOOH \cdot 2H_2O$ $C_2H_2O_4 \cdot 2H_2O$ $M = 126,07$ g/mol assay ..... 99,5–100,5 % insoluble in water ..... max. 0,005 % sulphated ash ..... max. 0,01 % calcium (Ca) ..... max. 0,0005 % iron (Fe) ..... max. 0,0002 % heavy metals (as Pb) ..... max. 0,0004 % chloride (Cl) ..... max. 0,0005 % sulphate (SO_4) ..... max. 0,002 % total nitrogen (N) ..... max. 0,001 % foreign organic matters ..... passes test R: 21/22 S: 2-24/25 disposal: 21	PF. PF. PF. *2915*	250 g 500 g 1 kg	12,– 20,25 34,–	10,20 17,20 28,90	9,60 16,20 27,20	9 15 26
27726	**Oxalic acid dihydrate** chem. pure powder *Acide oxalique dihydrate / Acido oxálico dihidrato* $HOOCCOOH \cdot 2H_2O$ $C_2H_2O_4 \cdot 2H_2O$ $M = 126,07$ g/mol assay ..... 99,5 % sulphated ash ..... 0,05 % calcium (Ca) ..... 0,005 % iron (Fe) ..... 0,005 % heavy metals (as Pb) ..... 0,001 % chloride (Cl) ..... 0,002 % sulphate (SO_4) ..... 0,005 % R: 21/22 S: 2-24/25 disposal: 21	PF. S. FTP. *2915*	1 kg 50 kg 50 kg	29,25 kg kg	24,85 11,55 11,85	23,40	22
27725	**Oxalic acid dihydrate** chem. pure cryst. *Acide oxalique dihydrate / Acido oxálico dihidrato* $HOOCCOOH \cdot 2H_2O$ $C_2H_2O_4 \cdot 2H_2O$ $M = 126,07$ g/mol assay ..... 99,5 % sulphated ash ..... 0,05 % calcium (Ca) ..... 0,005 % iron (Fe) ..... 0,001 % heavy metals (as Pb) ..... 0,001 % chloride (Cl) ..... 0,002 % sulphate (SO_4) ..... 0,005 % R: 21/22 S: 2-24/25 disposal: 21	PF. PF. PF. S. FTP. *2915*	500 g 1 kg 5 kg 50 kg 50 kg	13,75 25,– 103,50 kg price on request	11,70 21,25 85,90 10,75	11,– 20,– 80,75	10 19 77
27736	**Oxalic acid dihydrate** technical cryst. *Acide oxalique dihydrate / Acido oxálico dihidrato* $HOOCCOOH \cdot 2H_2O$ $C_2H_2O_4 \cdot 2H_2O$ $M = 126,07$ g/mol assay ..... 99 % sulphated ash ..... 0,1 % iron (Fe) ..... 0,002 % chloride (Cl) ..... 0,002 % sulphate (SO_4) ..... 0,05 % R: 21/22 S: 2-24/25 disposal: 21	PF. S. *2915*	1 kg 50 kg	17,– price on request	14,45	13,60	13
38255	**0,005 mol Oxalic acid** FIXANAL® 0,630 g $(COOH)_2 \cdot 2H_2O$ for 1 L 0,01 N solution *0,05 mol Acide oxalique / 0,05 mol Acido oxálico* ampoule	*3819*	1 pack	8,75	7,45	7,–	6

refer explanations

Number / ADR / E/GGVS / CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	Oxalic acid-bis-(cyclohexylidene hydrazide) R. G. *Acide oxalique-bis-(cyclohexylidène hydrazide) / Acido oxalico-bis-(ciclohexilidenhidracida)* C_6H_{10}—NNHCOCONHN—C_6H_{10} $C_{14}H_{22}N_4O_2$ M = 278,36 g/mol melting range ..... 206—210 °C insoluble in methanol ..... max. 0,005 % loss on drying (105 °C) ..... max. 0,5 % sulphated ash ..... max. 0,1 % iron (Fe) ..... max. 0,001 % heavy metals (as Pb) ..... max. 0,001 % suitability for determination of copper ..... passes test R: 21/22 S: 2-24/25 disposal: 6	WG. 2929	25 g	24,25	20,60	19,40	18,20
	Oxalic acid iron(II) salt see Iron(II) oxalate						
	Oxalic acid potassium salt see Potassium oxalate						
	Oxalic acid sodium salt see Sodium oxalate						
0 2	**Oxalyl chloride** PROSYNTH® *Oxalyle chlorure / Oxalilo cloruro* ClCOCOCl $C_2Cl_2O_2$ M = 126,93 g/mol 1 L ≈ 1,48 kg assay (ex Cl) ..... 97 % boiling range ..... 62—64 °C refractive index (n_D^{20}) ..... 1,430 R: 34 S: 26 disposal: 21	FL. 2915	25 ml	22,75	19,35	18,20	17,05
	Oxamide PROSYNTH® *Oxamide / Oxamida* $OC(NH_2)C(NH_2)O$ $C_2H_4N_2O_2$ M = 88,07 g/mol assay (ex N) ..... 98 %	PF. 2925	250 g	80,—	68,—	64,—	60,—
	1,2-Oxidobutane see 1,2-Epoxybutane						
	1,2-Oxidocyclohexane see Cyclohexene oxide						
	1,2-Oxidoethane see Ethylene oxide						
	1,4-Oxidopentane see 2-Methyltetrahydrofuran						
	1,5-Oxidopentane see Tetrahydropyran						
	Oxine see 8-Hydroxyquinoline						
	Oxobutanedioic acid see Oxalacetic acid						
	2-Oxobutanoic acid see 2-Oxobutyric acid						
	4-Oxo-1-butylcyclohexane see 4-*tert.*-Butylcyclohexanone						
	3-Oxobutyraldehyde-1-dimethylacetal see Acetoacetaldehyde-1-dimethylacetal						
	2-Oxobutyric acid PROSYNTH® *Acide 2-oxobutyrique / Acido 2-oxobutírico* $CH_3CH_2COCOOH$ $C_4H_6O_3$ M = 102,09 g/mol assay (alkalimetric) 99 % melting range 31—33 °C	WG. 2916	10 g	76,50	65,05	61,20	57,40
	2-Oxochromane see Dihydrocoumarin						
	Oxocycloheptane see Cycloheptanone						
	Oxocyclooctane see Cyclooctanone						
	Oxocyclopentane see Cyclopentanone						
	2-Oxo-1,1-diphenylethane see Diphenylacetaldehyde						

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package B.T.N.		Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96 (16 Bo
	2-Oxo-1,3-diphenylpropane see 1,3-Diphenylacetone							
	3-Oxo-1,3-diphenylpropene-(1) see Benzylideneacetophenone							
	9-Oxofluorene see Fluorenone-(9)							
	2-Oxoglutaric acid see 2-Ketoglutaric acid							
	2-Oxo-3-(4-hydroxyphenyl)propionic acid see 4-Hydroxyphenylpyruvic acid							
	6-Oxo-2-iminotetrahydropurine see Guanine							
	6-Oxo-2-iminotetrahydropurine hydrochloride see Guanine hydrochloride							
	1-Oxoindane see Indanone-(1)							
	2-Oxo-4-methyl-1,2-chromene see 6-Methylcoumarin							
	Oxopentanoic acid see Levulinic acid							
	2-Oxo-1-phenylbutane see Ethyl benzyl ketone							
	3-Oxo-1-phenylbutane see Benzylacetone							
	3-Oxo-1-phenylbutene-(1) see Benzylideneacetone							
	Oxophenyl-(2,4-dihydroxyphenyl)methane see 2,4-Dihydroxybenzophenone							
	Oxophenyl-(2,5-dimethylphenyl)methane see 2,5-Dimethylbenzophenone							
	Oxophenyl-(3,4-dimethylphenyl)methane see 3,4-Dimethylbenzophenone							
	Oxophenyl-(4-hydroxyphenyl)methane see 4-Hydroxybenzophenone							
	Oxophenyl-(4-methoxyphenyl)methane see 4-Methoxybenzophenone							
	2-Oxo-1-phenylpentene see Benzyl propyl ketone							
	3-Oxo-1-phenylpropane see Hydrocinnamaldehyde							
	3-Oxophenylpropene-(1) see *trans*-Cinnamaldehyde							
	2-Oxo-3-phenylpropionic acid sodium salt see Phenylpyruvic acid sodium salt							
	Oxophenyl-(2,4,5-trihydroxyphenyl)methane see 2,4,5-Trimethoxybenzophenone							
	1-Oxophthalane see Phthalide							
62932	**5-Oxo-L-proline** PROSYNTH® *5-Oxo-L-proline / 5-Oxo-L-prolina* NHCOCH₂CH₂CHCOOH $C_5H_7NO_3$ $M = 129,12$ g/mol assay (alkalimetric) ..... 97% melting range ..... 155–157 °C specific rotation ($[\alpha]_D^{20}$; c = 10 in H_2O) ..... −11° ± 1°	WG. *2935*	25 g	30,25	25,70	24,20	2
	2-Oxopropionic acid sodium salt see Pyruvic acid sodium salt							
	1-Oxo-1,2,3,4-tetrahydronaphthalene see α-Tetralone							
	4-Oxo-2-thioneimidazoline see 2-Thiohydantoin							
	6-Oxo-2-thione-4-methyltetrahydropyrimidine see 4-Methyl-2-thiouracil							
	5-Oxo-1,1,3-trimethylcyclohexene-(3) see *iso*-Phorone							

le-Number ID/ADR GVE/GGVS MDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	9-Oxoxanthene see Xanthone						
	Oxy... see also Hydroxy...						
	p-Oxybenzoic acid see 4-Hydroxybenzoic acid						
006	**Oxycarboxine** min. 99% PESTANAL® $\underline{O}CH_2CH_2SO_2C(CONHC_6H_5)=CCH_3$ $C_{12}H_{13}NO_4S$ $M = 267{,}30$ g/mol	FL. *2935*	1 g	39,25	33,35	31,40	29,45
	3,3'-Oxydipropionitrile see Bis-(2-cyanoethylether)						
604	**Oxygen absorbent 2,5 molar** O_2 absorbent on base of chromium(II) chloride for oxygen determination in the gas analysis *Oxygène absorbente 2,5 molar / Oxígeno absorbente 2,5 molar*	FL. FL. *3819*	250 ml 1 L	42,— 139,—	35,70 118,15	33,60 111,20	31,50 107,05
	Oxylith see Potassium peroxodisulphate						
	2-Oxymethylfuran see Furfuryl alcohol						
	Oxyn see 8-Hydroxyquinoline						
	Oxyquinoline and derivates see Hydroxyquinoline and derivates						
	Ozone paper see Indicator and reagent papers / Starch-potassium iodide paper						
152	**Palatinose** BIOSYNTH® *Palatinose / Palatinosa* package of 250 mg $C_{12}H_{22}O_{11}$ $M = 342{,}30$ g/mol melting range ..... 126—128 °C specific rotation ($[\alpha]_D^{20}$; c = 3 in H_2O) ..... +99,5° ± 2°	*2943*	1 pack	12,—	10,20	9,60	9,25
149	**Palladium** (Palladium black) *Palladium (Noir de palladium) / Paladio (Negro de paladio)* Pd $M = 106{,}4$ g/mol assay 98%	WG. *7109*	1 g	52,—	44,20	41,60	39,—
198	**Palladium(II) acetate** PROSYNTH® *Palladium(II) acétate / Paladio(II) acetato* $(CH_3COO)_2Pd$ $C_4H_6O_4Pd$ $M = 224{,}49$ g/mol assay (ex Pd) 97%	FL. *2849*	1 g	47,50	40,40	38,—	35,65
197	**Palladium(II) acetylacetonate** PROSYNTH® *Palladium(II) acétylacétonate / Paladio(II) acetilacetonato* $Pd(C_5H_7O_2)_2$ $C_{10}H_{14}O_4Pd$ $M = 304{,}62$ g/mol assay (ex Pd) ..... 99% melting range ..... 188—190 °C (disint.)	FL. *2849*	1 g	42,75	36,35	34,20	32,05
150	*RCH* **Palladium catalyst 50/6** powder 5 wt.% Pd/activated carbon *Catalyseur RCH palladium 50/6 / Catalizador de paladio RCH 50/6* assay od Pd ..... 5% granulation less than 32 µm ..... 80% specific surface area (BET) ..... 700—800 m^2/g pour weight ..... 0,28 g/ml	WG. *3819*	10 g	54,—	45,90	43,20	40,50
151	*RCH* **Palladium catalyst** powder 5 wt.% Pd/aluminium oxide *Catalyseur RCH palladium / Catalizador de paladio RCH* assay of Pd ..... 5% granulation less than 32 µm ..... 85% specific surface area (BET) ..... 300 m^2/g pour weight ..... 0,20 g/ml	WG. *3819*	10 g	81,50	69,30	65,20	61,15

POLYPEHA® universal and special indicator papers in strips

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96 (16 Box
62935	***RCH* Palladium catalyst** powder 10 wt.% Pd/barium sulphate *Catalyseur RCH palladium / Catalizador de paladio RCH* assay of Pd ..... 10% particle size smaller than 32 µm ..... 90% specific surface area (BET) ..... 18 m^2/g pour weight ..... 0,68 g/ml	WG. *3819*	10 g	71,50	60,80	57,20	53,6
64152	***RCH* Palladium catalyst** powder 5 wt.% Pd/barium sulphate *Catalyseur RCH palladium / Catalizador de paladio RCH* assay of Pd ..... 5% granulation less than 32 µm ..... 90% specific surface area (BET) ..... 18 m^2/g pour weight ..... 0,68 g/ml	WG. *3819*	10 g	38,—	32,30	30,40	28,8
62937	***RCH* Palladium catalyst** powder 10 wt.% Pd/calcium carbonate *Catalyseur RCH palladium / Catalizador de paladio RCH* assay of Pd ..... 10% particle size smaller than 32 µm ..... 90% specific surface area (BET) ..... 24 m^2/g pour weight ..... 0,48 g/ml	WG. *3819*	10 g	71,50	60,80	57,20	53,6
62936	***RCH* Palladium catalyst** powder 5 wt.% Pd/calcium carbonate *Catalyseur RCH palladium / Catalizador de paladio RCH* assay of Pd ..... 5% particle size smaller than 32 µm ..... 90% specific surface area (BET) ..... 24 m^2/g pour weight ..... 0,48 g/ml	WG. *3819*	10 g	63,50	54,—	50,80	47,9
62934 A 4.1/1	***RCH* Palladium catalyst 100/6** powder 10 wt.% Pd/activated carbon *Catalyseur RCH palladium 100/6 / Catalizador de paladio RCH 100/6* assay of Pd ..... 10% particle size smaller than 32 µm ..... 80% specific surface area (BET) ..... 700-800 m^2/g pour weight ..... 0,28 g/ml	WG. *3819*	10 g	60,50	51,45	48,40	45,4
14757	**Palladium(II) chloride** *Palladium(II) chlorure / Paladio(II) cloruro* tube of 1 g $PdCl_2$ *M* = 177,31 g/mol assay of Pd ..... abt. 60%	*2849*	1 pack	40,50	34,45	32,40	30,4
14814	**Palladium(II) chloride** *Palladium(II) chlorure / Paladio(II) cloruro* glass-stoppered bottle of 10 g $PdCl_2$ *M* = 177,31 g/mol assay of Pd ..... abt. 60%	*2849*	1 pack	240,—	204,—	192,—	180,—
14833	**Palladium(II) chloride** *Palladium(II) chlorure / Paladio(II) cloruro* glass-stoppered bottle of 100 g $PdCl_2$ *M* = 177,31 g/mol assay of Pd ..... abt. 60%	*2849*	1 pack	1821,—	1547,85	1456,80	1365,—
62938	**Palladium(II) oxide hydrate** 85 wt.% Pd hydrogenation catalyst according to Adams *Palladium(II) oxyde hydraté / Paladio(II) óxido hidrato* package of 1 g $PdO \cdot xH_2O$ *M* = (anhydrous) 122,40 g/mol assay of Pd 85%	*2849*	1 pack	51,50	43,80	41,20	38,6
27734	**Palmitic acid** pure *Acide palmitique / Acido palmítico* $CH_3(CH_2)_{14}COOH$ $C_{16}H_{32}O_2$ *M* = 256,43 g/mol assay of palmitic acid ..... 98% assay of stearic acid ..... 1% melting range ..... 61—62 °C	PF. *2914*	1 kg	27,—	22,95	21,60	20,2

refer explanations

ode-Number RID/ADR GGVE/GGVS IMDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	PAN see 1-(2-Pyridylazo)naphthol-(2)						
	PANPEHA® indicator paper see Indicator and reagent papers						
5075	**D-Pantothenic acid solution** PROSYNTH® 10% in water *Acide D-pantothénique en solution / Acido D-pantoténico en solución* $HOCH_2C(CH_3)_2CH(OH)CONHCH_2CH_2COOH$ $C_9H_{17}NO_5$ $M = 219{,}24$ g/mol **1 L ≈ 1,00 kg** assay (alkalimetric) ..... 10% keep in refrigerator à stocker dans le refrigidaire almacenaje en la nevera	FL. *2938*	**25 ml**	17,—	14,45	13,60	12,75
	PAR see 4-(2-Pyridylazo)-resorcinol monosodium salt						
	Paradibromobenzene see 1,4-Dibromobenzene						
	Paradichlorobenzene see 1,4-Dichlorobenzene						
3509	**Paraffin** congealing range 55—60 °C, for histology block form *Paraffine / Parafina*	K. *2713*	**1 kg**	24,25	20,60	19,40	18,65
4920	★ **Paraffin** liquid SPECTRANAL® *Paraffine liquide / Parafina líquida* suitability for IRspectroscopy ..... passes test	FL. *2710*	**100 ml**	10,75	9,15	8,60	8,05
3512	★ **Paraffin** viscid DAB 8 *Paraffine / Parafina* **1 L ≈ 0,88 kg**	FL. FL. EKL. EKL. EKL. *2710*	**1 L** **2,5 L** **30 L** **5x** **10x**	17,— 35,25 L L L	14,45 29,25 5,90 5,40 5,15	13,60 27,50	13,10 26,45
3633	**Paraffin** white, congealing range abt. 45—50 °C, block form *Paraffine blanche / Parafina blanca*	K. S. *2713*	**1 kg** **50 kg**	17,—	14,45 price on request	13,60	13,10
3634	**Paraffin** white, DAB 8, congealing range abt. 50—55 °C, pastilles *Paraffine blanche / Parafina blanca*	K. S. *2713*	**1 kg** **35 kg**	17,—	14,45 price on request	13,60	13,10
3635	**Paraffin** white, congealing range abt. 55—60 °C, pastilles *Paraffine blanche / Parafina blanca*	K. S. *2713*	**1 kg** **35 kg**	22,50	19,15 price on request	18,—	17,35
3636	**Paraffin** white, congealing range abt. 68—72 °C, block form *Paraffine blanche / Parafina blanca*	K. S. *2713*	**1 kg** **35 kg**	27,25	23,15 price on request	21,80	21,—
0005 .1 2213 3	**Paraformaldehyde** powder Erg. B. 6 *Paraformaldéhyde / Paraformaldehido* $(CH_2O)_x$ $M = (30{,}03)_x$ g/mol	PF. PF. FTP. *2911*	**1 kg** **2,5 kg** **50 kg**	20,— 42,75	17,— 35,50 price on request	16,— 33,35	15,40 32,05
0065 .1 2213 3	**Paraformaldehyde-d_x** deuteration degree not less than 99 atom 99 % D *Paraformaldéhyde-d_x / Paraformaldehído-d_x* $(CD_2O)_x$ $M = (32{,}01)_x$ g/mol	FL. *2851*	**5 g**	119,—	101,15	95,20	89,25

PROSYNTH® chemicals for organic synthesis

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
16004 A 3/3 C 3.3 1264 3 +25 °C	○ **Paraldehyde** chem. pure Ph. Eur. I, B. P. 1973, Ph. Franç. IX, stabilized with resorcinol (50 mg/l) *Paraldéhyde / Paraldehido* $(CH_3CHO)_3$ $C_6H_{12}O_3$ $M = 132{,}16$ g/mol **1 L ≈ 0,99 kg** congealing point ..... 10–12 °C boiling range ..... 123–126 °C density (D_4^{20}) ..... 0,993–0,996 refractive index (n_D^{20}) ..... 1,4040–1,4060 acidly reacting impurities ..... passes test acetaldehyde ..... 0,2 % peroxide compounds (as H_2O_2) ..... 0,05 % R: 11 S: 9-16-29-33 disposal: 6	FL. EKL. *2911*	1 L 25 kg	31,50 price on request	26,80	25,20	24,2
35840 A 6.1/81A C 6.1 1615 2	**Paraoxon** min. 99 % PESTANAL® [0,0-Diethyl-0-(4-nitrophenyl)-phosphate] $(C_2H_5O)_2P(O)OC_6H_4NO_2$ $C_{10}H_{14}NO_6P$ $M = 275{,}20$ g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	FL. *2921*	2 g	85,50	72,70	68,40	64,1
35747 A 6.1/81A C 6.1 1668 2	**Parathion-ethyl** min. 99 % PESTANAL® [0,0-Diethyl-0-(4-nitrophenyl)-monophosphorothioate] $(C_2H_5O)_2P(S)OC_6H_4NO_2$ $C_{10}H_{14}NO_5PS$ $M = 291{,}26$ g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 26/27/28 S: 1-13-28-45 disposal: 7	FL. *2921*	2 g	56,50	48,05	45,20	42,4
35765 A 6.1/81A C 6.1 1668 2	**Parathion-methyl** min. 99 % PESTANAL® [0,0-Dimethyl-0-(4-nitrophenyl)-monophosphorothioate] $(CH_3O)_2P(S)OC_6H_4NO_2$ $C_8H_{10}NO_5PS$ $M = 263{,}21$ g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 26/27/28 S: 1-13-28-45 disposal: 7	FL. *2921*	1 g	64,—	54,40	51,20	48,-
56041	**PBBO** for scintillation [2-(4-Biphenylyl)-6-phenylbenzoxazol] $C_{25}H_{17}NO$ $M = 347{,}42$ g/mol	WG. WG. *2935*	10 g 50 g	69,— 287,—	58,65 243,95	55,20 229,60	51, 215,2
56021	**PBD** for scintillation [2-Phenyl-5-(4-biphenylyl)-1,3,4-oxadiazole] $OC(C_6H_4C_6H_5)=NN=CC_6H_5$ $C_{20}H_{14}N_2O$ $M = 298{,}34$ g/mol melting range ..... 164–167 °C	WG. *2935*	10 g	169,—	143,65	135,20	126,-
35814 A 6.1/82B2 C 6.1 1615 3	**3-PCB** min. 99 % PESTANAL® (3-Chlorobiphenyl) $C_6H_5C_6H_4Cl$ $C_{12}H_9Cl$ $M = 188{,}66$ g/mol R: 33 S: 35 disposal: 7	FL. *2902*	2 g	112,50	95,65	90,—	84,-
35813	**2-PCB** min. 99 % PESTANAL® (2-Chlorobiphenyl) $C_6H_5C_6H_4Cl$ $C_{12}H_9Cl$ $M = 188{,}66$ g/mol R: 33 S: 35 disposal: 7	FL. *2902*	1 g	71,50	60,80	57,20	53,-

refer explanations

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5815	**4-PCB** min. 99% PESTANAL® (4-Chlorobiphenyl) $C_6H_5C_6H_4Cl$ $C_{12}H_9Cl$ $M = 188{,}66$ g/mol R: 33 S: 35 disposal: 7	FL. *2902*	1 g	71,50	60,80	57,20	53,65
5857 6.1/82B2 6.1 1615 3	**2,2'-PCB** min. 99% PESTANAL® (2,2'-Dichlorobiphenyl) $ClC_6H_4C_6H_4Cl$ $C_{12}H_8Cl_2$ $M = 223{,}10$ g/mol R: 33 S: 35 disposal: 7	FL. *2902*	1 g	85,50	72,70	68,40	64,15
5865 6.1/82B2 6.1 1615 3	**2,2',3,3',4,4',5,5',6,6'-PCB** min. 99% PESTANAL® (Decachlorobiphenyl) $Cl_5C_6C_6Cl_5$ $C_{12}Cl_{10}$ $M = 498{,}66$ g/mol R: 33 S: 35 disposal: 7	FL. *2902*	1 g	141,—	119,85	112,80	105,75
5858 6.1/82B2 6.1 1615 3	**2,3-PCB** min. 99% PESTANAL® (2,3-Dichlorobiphenyl) $Cl_2C_6H_3C_6H_5$ $C_{12}H_8Cl_2$ $M = 223{,}10$ g/mol R: 33 S: 35 disposal: 7	FL. *2902*	2 g	141,—	119,85	112,80	105,75
5859 6.1/82B2 6.1 1615 3	**2,4-PCB** min. 99% PESTANAL® (2,4-Dichlorobiphenyl) $Cl_2C_6H_3C_6H_5$ $C_{12}H_8Cl_2$ $M = 223{,}10$ g/mol R: 33 S: 35 disposal: 7	FL. *2902*	2 g	141,—	119,85	112,80	105,75
5863 6.1/82B2 6.1 1615 3	**2,4,5-PCB** min. 99% PESTANAL® (2,4,5-Trichlorobiphenyl) $Cl_3C_6H_2C_6H_5$ $C_{12}H_7Cl_3$ $M = 257{,}55$ g/mol R: 33 S: 35 disposal: 7	FL. *2902*	1 g	141,—	119,85	112,80	105,75
5860 6.1/82B2 6.1 1615 3	**2,5-PCB** min. 99% PESTANAL® (2,5-Dichlorobiphenyl) $Cl_2C_6H_3C_6H_5$ $C_{12}H_8Cl_2$ $M = 223{,}10$ g/mol R: 33 S: 35 disposal: 7	FL. *2902*	2 g	141,—	119,85	112,80	105,75
5864 6.1/82B2 6.1 1615 3	**3,3',4,4'-PCB** min. 99% PESTANAL® (3,3',4,4'-Tetrachlorobiphenyl) $Cl_2C_6H_3C_6H_3Cl_2$ $C_{12}H_8Cl_4$ $M = 291{,}99$ g/mol R: 33 S: 35 disposal: 7	FL. *2902*	1 g	141,—	119,85	112,80	105,75
5861 6.1/82B2 6.1 1615 3	**3,4-PCB** min. 99% PESTANAL® (3,4-Dichlorobiphenyl) $Cl_2C_6H_3C_6H_5$ $C_{12}H_8Cl_2$ $M = 223{,}10$ g/mol R: 33 S: 35 disposal: 7	FL. *2902*	1 g	112,50	95,65	90,—	84,40

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35862 A 6.1/82B2 C 6.1 1615 3	**3,5-PCB** min. 99% PESTANAL® (3,5-Dichlorobiphenyl) $Cl_2C_6H_3C_6H_5$ $C_{12}H_8Cl_2$ $M = 223{,}10$ g/mol R: 33 S: 35 disposal: 7	FL. *2902*	2 g	141,—	119,85	112,80	105,7
35816	**4,4'-PCB** min. 99% PESTANAL® (4,4'-Dichlorobiphenyl) $ClC_6H_4C_6H_4Cl$ $C_{12}H_8Cl_2$ $M = 223{,}10$ g/mol R: 33 S: 35 disposal: 7	FL. *2902*	1 g	71,50	60,80	57,20	53,6
36336 A 6.1/21A C 6.1 2810 2	**PEBAB** (p-Ethoxybenzyliden-p-aminobenzonitrile) $C_2H_5OC_6H_4CH=NC_6H_4CN$ $C_{16}H_{14}N_2O$ $M = 250{,}30$ g/mol melting point ..... 105 °C clarification point ..... 129 °C	WG. WG. *2927*	5 g 25 g	price on request price on request			
39268	**Pectin** BIOSYNTH® *Pectine / Pectina*	WG. *1303*	100 g	19,75	16,80	15,80	14,8
	PEHANAL® see Indicator and reagent papers						
	Pelargon see Dioctyl ketone						
64766 A 3/4 +77 °C	**Pelargonaldehyde** PROSYNTH® *Aldéhyde pélargonique / Aldehído pelargónico* $CH_3(CH_2)_7CHO$ $C_9H_{18}O$ $M = 142{,}24$ g/mol **1 L ≈ 0,82 kg** assay (GC) ..... 97% boiling range (at 16 mbar) ..... 79—81 °C refractive index (n_D^{20}) ..... 1,425 keep in refrigerator à stocker dans le refrigidaire almacenaje en la nevera	FL. *2911*	50 ml	23,50	20,—	18,80	17,6
62939	**Pelargonic acid** PROSYNTH® *Acide pélargonique / Acido pelargónico* $CH_3(CH_2)_7COOH$ $C_9H_{18}O_2$ $M = 158{,}24$ g/mol **1 L ≈ 0,91 kg** assay (GC) ..... 92% boiling range ..... 252—255 °C refractive index (n_D^{20}) 1,432	FL. *2914*	1 L	26,50	22,55	21,20	20,4
	Pellet's soap solution see Soap solution / Complete range see appendix (Volumetric solutions)						
	Pentacalcium hydroxide triphosphate see *tri*-Calcium phosphate						
35895 A 6.1/21E C 6.1 1609 2	**Pentachloroaniline** min. 99% PESTANAL® $C_6Cl_5NH_2$ $C_6H_2Cl_5N$ $M = 265{,}35$ g/mol R: 23/24/25-33 S: 28-36/37-44 disposal: 7	FL. *2922*	1 g	35,75	30,40	28,60	26,8
35886	**Pentachlorobenzene** min. 99% PESTANAL® C_6HCl_5 $M = 250{,}34$ g/mol	FL. *2902*	1 g	21,50	18,30	17,20	16,1
64770	**Pentachlorobenzene** PROSYNTH® *Pentachlorobenzène / Pentaclorobenceno* C_6HCl_5 $M = 250{,}34$ g/mol assay (GC) ..... 98% melting range ..... 83—85 °C	WG. *2902*	50 g	31,75	27,—	25,40	23,8

Code-Number RID/ADR GGVE/GGVS IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
0862 6.1/12C 6.1 1669 2	**Pentachloroethane** min. 99,9% for gas chromatography *Pentachloroéthane / Pentacloroetano* CCl_3CHCl_2 C_2HCl_5 $M = 202,29$ g/mol **1 L ≈ 1,67 kg** R: 26/27 S: 1-38-45 disposal: 13	FL. *2902*	5 ml	49,25	41,85	39,40	36,95
2942 6.1/12C 6.1 1669 2	**Pentachloroethane** PROSYNTH® *Pentachloroéthane / Pentacloroetano* CCl_3CHCl_2 C_2HCl_5 $M = 202,29$ g/mol **1 L ≈ 1,68 kg** assay (GC) ..... 95% boiling range ..... 160—162 °C refractive index (n_D^{20}) ..... 1,503 R: 26/27 S: 1-38-45 disposal: 13	FL. *2902*	250 ml	30,75	26,15	24,60	23,05
	2,3,4,5,6-Pentachloro-1-hydroxybenzene see Pentachlorophenol						
5799 6.1/82B1 6.1 ./. 2	**Pentachlorophenol** min. 99% PESTANAL® *Pentachlorophénol / Pentaclorofenol* Cl_5C_6OH C_6HCl_5O $M = 266,34$ g/mol R: 23/24/25 S: 28-36/39-44 disposal: 10	FL. *2907*	1 g	19,25	16,35	15,40	14,45
2943 6.1/13C 6.1 2020 3	**Pentachlorophenol** PROSYNTH® *Pentachlorophénol / Pentaclorofenol* Cl_5C_6OH C_6HCl_5O $M = 266,34$ g/mol keep in refrigerator à stocker dans le frigidaire almacenja en la nevera R: 23/24/25 S: 28-36/39-44 disposal: 10	PF. *2907*	500 g	16,—	13,60	12,80	12,30
3705 6.1/61 6.1 2811 3	**Pentachloropyridine** PROSYNTH® *Pentachloropyridine / Pentacloropiridina* $N=CClCCl=CClCCl=CCl$ C_5Cl_5N $M = 251,33$ g/mol	WG. *2935*	50 g	38,50	32,75	30,80	28,90
2260	***n*-Pentadecane** min. 99,9% for gas chromatography *n-Pentadécane / n-Pentadecano* $CH_3(CH_2)_{13}CH_3$ $C_{15}H_{32}$ $M = 212,42$ g/mol **1 L ≈ 0,77 kg**	FL. *2901*	5 ml	49,25	41,85	39,40	36,95
2944	***n*-Pentadecane** PROSYNTH® *n-Pentadécane / n-Pentadecano* $CH_3(CH_2)_{13}CH_3$ $C_{15}H_{32}$ $M = 212,42$ g/mol **1 L ≈ 0,77 kg** assay (GC) ..... 99% boiling range ..... 269—271 °C refractive index (n_D^{20}) 1,432	FL. *2901*	25 ml	35,50	30,20	28,40	26,65
1773	**Pentadecanoic acid** PROSYNTH® *Acide pentadécanoïque / Acido pentadecanóico* $CH_3(CH_2)_{13}COOH$ $C_{15}H_{30}O_2$ $M = 242,40$ g/mol assay (GC) ..... 98% melting range ..... 51—53 °C	WG. *2914*	10 g	28,—	23,80	22,40	21,—

SPECTRANAL® solvents for spectroscopy

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
64772 A 6.1/21A C 6.1 1935 1	**Pentadecanoic acid nitrile** PROSYNTH® *Acide pentadécanöque nitrile / Acido pentadecanóico nitrilo* $CH_3(CH_2)_{13}CN$ $C_{15}H_{29}N$ $M = 223{,}40$ g/mol **1 L ≈ 0,83 kg** assay (GC) ..... 98% boiling range (at 31 mbar) ..... 182–184 °C R: 23/24/25 S: 44 disposal: 15	FL. *2927*	25 ml	37,25	31,65	29,80	27,95
62946	**1-Pentadecanol** PROSYNTH® *Pentadécanol-1 / 1-Pentadecanol* $CH_3(CH_2)_{14}OH$ $C_{15}H_{32}O$ $M = 228{,}42$ g/mol assay (GC) ..... 99% melting range ..... 43–45 °C	WG. *2904*	10 g	42,75	36,35	34,20	32,05
65076	**2-Pentadecanol** PROSYNTH® *Pentadécanol-2 / 2-Pentadecanol* $CH_3(CH_2)_{12}CH(OH)CH_3$ $C_{15}H_{32}O$ $M = 228{,}42$ g/mol assay (GC) ..... 97% melting range ..... 31–33 °C	WG. *2904*	10 g	43,75	37,20	35,–	32,80
	Pentadecanone-(8) see Diheptyl ketone						
	Pentadecyl alcohol see Pentadecanol-(1)						
	Pentadeutero nitrobenzene see Nitrobenzene-D_5						
	Pentadeuteropyridine see Pyridine-D_5						
62947	**Pentaerythritol** PROSYNTH® *Pentaérythritol / Pentaeritrita* $C(CH_2OH)_4$ $C_5H_{12}O_4$ $M = 136{,}15$ g/mol assay ..... 98% melting range ..... 256–258 °C	PF. *2904*	1 kg	26,25	22,30	21,–	20,20
65077	**Pentaerythritol tetrabromide** PROSYNTH® *Pentaerythritetétrabromure / Pentaeritritotetrabromuro* $C(CH_2Br)_4$ $C_5H_8Br_4$ $M = 387{,}73$ g/mol assay (ex Br) ..... 98% melting range ..... 158–160 °C	WG. *2904*	10 g	23,–	19,55	18,40	17,25
65178	**Pentaethylene glycol dimethyl ether** PROSYNTH® *Pentaéthylèneglycol diméthyléther / Pentaetilenglicol dimetileter* $CH_3(OCH_2CH_2)_5OCH_3$ $C_{12}H_{26}O_6$ $M = 266{,}33$ g/mol **1 L ≈ 1,03 kg** assay (GC) ..... 98% boiling range (at 0,2 mbar) ..... 144–146 °C refractive index (n_D^{20}) 1,437	FL. *2908*	50 ml	12,75	10,85	10,20	9,55
61366 A 6.1/23B C 6.1 2811 2	**Pentafluoroacetophenone** PROSYNTH® *Pentafluoroacétophénone / Pentafluoroacetofenona* $C_6F_5COCH_3$ $C_8H_3F_5O$ $M = 210{,}10$ g/mol assay (GC) ..... 99% boiling range (at 0,5 mbar) ..... 50–52 °C	FL. *2913*	1 g	207,–	175,95	165,60	155,25

refer explanations

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1438 8.1/21E 6.1 2811 2	**Pentafluoroaniline** PROSYNTH® *Pentafluoroaniline / Pentafluoroanilina* $C_6F_5NH_2$ $C_6H_2F_5N$ M = 183,08 g/mol assay (GC) ..... 98% Schmelzbereich ..... 33–35 °C melting range ..... 33–35 °C R: 23/24/25-33 S: 28-36/37-44 disposal: 7	WG. *2922*	5 g	25,50	21,70	20,40	19,15
1364 3/4	**2,3,4,5,6-Pentafluoroanisole** PROSYNTH® *2-3-4-5-6-Pentafluoroanisole / 2,3,4,5,6-Pentafluoroanisol* $C_6F_5OCH_3$ $C_7H_3F_5O$ M = 198,09 g/mol **1 L ≈ 1,50 kg** assay (GC) ..... 99% boiling range ..... 138–140 °C	FL. *2908*	5 ml	106,–	90,10	84,80	79,50
1367	**Pentafluorobenzaldehyde** PROSYNTH® *Pentafluorobenzaldéhyde / Pentafluorobenzaldehido* C_6F_5CHO C_7HF_5O M = 196,08 g/mol assay (GC) ..... 98% boiling range ..... 164–166 °C refractive index (n_D^{20}) 1,451	FL. *2912*	5 g	85,50	72,70	68,40	64,15
1329 6.1/12 6.1 2810 2	**Pentafluorobenzene** PROSYNTH® *Pentafluorobenzène / Pentafluorobenceno* C_6HF_5 M = 168,07 g/mol **1 L ≈ 1,52 kg** assay (GC) ..... 99% boiling range ..... 83–85 °C refractive index (n_D^{20}) 1,391	FL. *2902*	5 ml	51,50	43,80	41,20	38,65
1313	**Pentafluorobenzoic acid** PROSYNTH® *Acide pentafluorobenzoïque / Acido pentafluorobenzóico* C_6F_5COOH $C_7HF_5O_2$ M = 212,08 g/mol assay (alkalimetric) ..... 98% melting range ..... 101–103 °C	FL. *2914*	5 g	69,–	58,65	55,20	51,75
1439 6.1/21 6.1 2811 2	**Pentafluorobenzonitrile** PROSYNTH® *Pentafluorobenzonitrile / Pentafluorobenzonitrilo* C_6F_5CN C_7F_5N M = 193,08 g/mol **1 L ≈ 1,57 kg** assay (GC) ..... 98% boiling range ..... 186–188 °C refractive index (n_D^{20}) 1,422	FL. *2927*	1 g	17,–	14,45	13,60	12,75
1368	**Pentafluoroiodobenzene** PROSYNTH® *Pentafluoroiodobenzène / Pentafluoroyodobenceno* C_6F_5J M = 293,96 g/mol assay (GC) ..... 98% refractive index (n_D^{20}) 1,497	FL. *2902*	5 g	49,50	42,10	39,60	37,15
1369 8.1/13C 6.1 2811 3	**Pentafluorophenol** PROSYNTH® *Pentafluorophénol / Pentafluorofenol* C_6F_5OH C_6HF_5O M = 184,07 g/mol assay (GC) ..... 98% boiling range ..... 140–141 °C	FL. *2907*	5 g	26,75	22,75	21,40	20,05
1440 8.1/21 6.1 2810 2	**Pentafluorophenyl isothiocyanate** PROSYNTH® *Pentafluorophényl isothiocyanate / Pentafluorofenil isotiocianato* $SCNC_6F_5$ C_7F_5NS M = 225,14 g/mol **1 L ≈ 1,60 kg** assay (GC) ..... 97% refractive index (n_D^{20}) 1,532	A. *2931*	1 ml	44,75	38,05	35,80	33,55

AQUANAL® test sets for quantitative analysis of aqueous solutions

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61258 A 8/21A2 C 8 1760 2	**2,2,3,3,3-Pentafluoropropionic acid** PROSYNTH® *Acide 2-2-3-3-3-pentafluoropropionique / Acido 2,2,3,3,3-pentafluoropropiónico* CF_3CF_2COOH $C_3HF_5O_2$ $M = 164{,}03$ g/mol **1 L ≈ 1,56 kg** assay (alkalimetric) ..... 98% boiling range ..... 95–97 °C refractive index (n_D^{20}) 1,284	FL. 2914	25 ml	65,50	55,70	52,40	49,1
61441 A 3/3 C 3.3 1992 2 +28 °C	**2,3,4,5,6-Pentafluorostyrene** PROSYNTH® *Pentafluorostyrène-2-3-4-5-6 / 2,3,4,5,6-Pentafluoroestireno* $C_6F_5CH=CH_2$ $C_8H_3F_5$ $M = 194{,}10$ g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 10 disposal: 7	FL. 2902	1 g	25,25	21,45	20,20	18,9
61370 A 6.1/13C C 6.1*1671 2	**Pentafluorothiophenol** PROSYNTH® *Pentafluorothiophénol / Pentafluorotiofenol* C_6F_5SH C_6HF_5S $M = 200{,}13$ g/mol **1 L ≈ 1,59 kg** assay (GC) ..... 98% boiling range ..... 141–143 °C refractive index (n_D^{20}) 1,465	FL. 2931	5 ml	142,–	120,70	113,60	106,5
61365 A 3/4	**2,3,4,5,6-Pentafluorotoluene** PROSYNTH® *2-3-4-5-6-Pentafluorotoluène / 2,3,4,5,6-Pentafluorotolueno* $C_6F_5CH_3$ $C_7H_3F_5$ $M = 182{,}09$ g/mol **1 L ≈ 1,44 kg** boiling range ..... 117–120 °C	FL. 2902	5 ml	225,–	191,25	180,–	168,7
	3,3',4',5,7-Pentahydroxyflavone see Quercetin						
	3,5,7,2',4'-Pentahydroxyflavone see Morin						
	Pentalonide-(4,1) see γ-Valerolactone						
	Pentamethylene bromide see 1,5-Dibromopentane						
64774 A 8/35 C 8 1719 2	**Pentamethylenediamine** PROSYNTH® *Pentaméthylènediamine / Pentametilendiamina* $H_2N(CH_2)_5NH_2$ $C_5H_{14}N_2$ $M = 102{,}18$ g/mol **1 L ≈ 0,87 kg** assay (GC) ..... 96% boiling range ..... 178–180 °C refractive index (n_D^{20}) 1,458	FL. 2922	10 ml	25,25	21,45	20,20	18,9
	Pentamethylene glycol see Pentanediol-(1,5)						
16504 ★ A 3/1A C 3.1 1265 1 -20 °C	**Pentane** mixture of isomers *Pentane / Pentano* C_5H_{12} $M = 72{,}15$ g/mol **1 L ≈ 0,63 kg** assay (sum of *iso*- and *n*-pentane) (GC) ..... 99,5% boiling range ..... 33–37 °C density (D_4^{20}) ..... 0,624–0,626 refractive index (n_D^{20}) ..... 1,3565–1,3575 non-volatile matter ..... 0,001% R: 11 S: 9-16-29-33 disposal: 6	FL. ALU. EKL. 2901	1 L † 5 L 30 L	17,– 63,50 L	14,45 52,70 5,40	13,60 49,55	13, 47,9

refer explanations

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508	★ ***iso*-Pentane** *iso-Pentane / iso-Pentano* $CH_3CH_2CH(CH_3)_2$ C_5H_{12} $M = 72{,}15$ g/mol **1 L ≈ 0,62 kg** assay (GC) ..... 98,5% boiling range ..... 28,0–28,5 °C density (D_4^{20}) ..... 0,620–0,621 refractive index (n_D^{20}) ..... 1,5330–1,5334 non-volatile matter ..... 0,001% R: 11 S: 9-16-29-33 disposal: 6	FL. FL. ALU. EKL. *2901*	500 ml 1 L 5 L 30 L	16,50 30,– 126,50 L	14,05 25,50 105,– 13,–	13,20 24,– 98,65	12,70 23,10 94,90
288	★ ***n*-Pentane** R.G. *n-Pentane / n-Pentano* $CH_3(CH_2)_3CH_3$ C_5H_{12} $M = 72{,}15$ g/mol **1 L ≈ 0,63 kg** assay (GC) ..... min. 99% water (according to Karl Fischer) ..... max. 0,01% acid number ..... max. 0,005 reaction to sulphuric acid ..... passes test R: 11 S: 9-16-29-33 disposal: 6	FL. ALU. *2901*	1 L 5 L	50,– 213,–	42,50 176,80	39,– 166,15	37,– 159,75
250	***n*-Pentane** min. 99,9% for gas chromatography *n-Pentane / n-Pentano* $CH_3(CH_2)_3CH_3$ C_5H_{12} $M = 72{,}15$ g/mol **1 L ≈ 0,63 kg** R: 11 S: 9-16-29-33 disposal: 6	FL. *2901*	5 ml	49,25	41,85	39,40	36,95
230	★ ***n*-Pentane** SPECTRANAL® *n-Pentane / n-Pentano* $CH_3(CH_2)_3CH_3$ C_5H_{12} $M = 72{,}15$ g/mol **1 L ≈ 0,63 kg** assay (GC) ..... min. 99% total content hydrocarbons ..... min. 99,7% non-volatile matter ..... max. 0,0005% water (according to Karl Fischer) ..... max. 0,005% free acid (as CH_3COOH) ..... max. 0,001% suitability for UV-spectroscopy transmittance (1 cm cell; reference: water) transmittance/wavelength (nm): min. 20%/200, min. 60%/210, min. 85%/220, min. 95%/230, min. 98%/from 240 suitability for IR spectroscopy ..... passes test R: 11 S: 9-16-29-33 disposal: 6	FL. *2901*	1 L	56,50	48,05	45,20	43,50
289	★ ***n*-Pentane** PROSYNTH® *n-Pentane / n-Pentano* $CH_3(CH_2)_3CH_3$ C_5H_{12} $M = 72{,}15$ g/mol **1 L ≈ 0,63 kg** assay (GC) ..... 99% boiling range ..... 34–36 °C refractive index (n_D^{20}) ..... 1,357 R: 11 S: 9-16-29-33 disposal: 6	FL. ALU. *2901*	1 L 5 L	29,75 111,50	25,30 92,55	23,80 86,95	22,90 83,65

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16534 A 3/1A C 3.1 1265 1 -20 °C	★ ***n*-Pentane** 95 % *n-Pentane / n-Pentano* $CH_3(CH_2)_3CH_3$ C_5H_{12} $M = 72{,}15$ g/mol **1 L ≈ 0,63 kg** assay (GC) ..... 95 % density (D_4^{20}) ..... 0,624—0,626 acid number ..... 0,005 reaction to sulphuric acid ..... passes test R: 11 S: 9-16-29-33 disposal: 6	FL. ALU. *2901*	1 L 5 L	20,75 87,50	17,65 72,65	16,60 68,25	16, 65,
	3-Pentanecarboxylic acid see 2-Ethylbutyric acid						
	Pentanedial see Glutardialdehyde						
62949	**Pentanediol-(1,5)** PROSYNTH® *Pentanediol-(1-5) / Pentanodiol-(1,5)* $HO(CH_2)_5OH$ $C_5H_{12}O_2$ $M = 104{,}15$ g/mol **1 L ≈ 0,99 kg** assay (GC) ..... 99 % boiling range ..... 240—243 °C refractive index (n_D^{20}) 1,450	FL. *2904*	250 ml	25,50	21,70	20,40	19,
62950	**Pentanediol-(2,4)** mixture of isomers PROSYNTH® *Pentanediol-(2-4) / Pentanodiol-(2,4)* $CH_3CH(OH)CH_2CH(OH)CH_3$ $C_5H_{12}O_2$ $M = 104{,}15$ g/mol **1 L ≈ 0,96 kg** assay (GC) ..... 98 %	FL. *2904*	25 ml	38,25	32,50	30,60	28
39605	**1,5-Pentanediol adipate** for gas chromatography *1-5-Pentanediol adipate / 1,5-Pentanodiol adipato* $[-O(CH_2)_5OCO(CH_2)_4CO-]_n$ $(C_{10}H_{18}O_4)_n$ $M = (202{,}25)_n$ g/mol working temperature ..... 60 to 225 °C	FL. *2915*	25 g	51,—	43,35	40,80	38
39615	**1,5-Pentanediol succinate** for gas chromatography *1-5-Pentanediol succinate / 1,5-Pentanodiol succinato* $[-O(CH_2)_5OCOCH_2CH_2CO-]_n$ $(C_9H_{14}O_4)_n$ $M = (186{,}21)_n$ g/mol working temperature ..... to 225 °C	WG. *2915*	25 g	50,50	42,95	40,40	37
	Pentanedione-(2,4) see Acetylacetone						
64777 A 3/4	**1,5-Pentanedithiol** PROSYNTH® *1-5-Pentanedithiol / 1,5-Pentanoditiol* $HS(CH_2)_5SH$ $C_5H_{12}S_2$ $M = 136{,}28$ g/mol **1 L ≈ 1,02 kg** assay (GC) ..... 98 % boiling range ..... 215—217 °C refractive index (n_D^{20}) 1,519	FL. *2931*	25 ml	76,50	65,05	61,20	57
	Pentanemethylene dimercaptan see 1,5-Pentanedithiol						

refer explanations

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285 /3 .3 1105 2 9°C	**Pentanol-(1)** R. G. *Pentanol-(1) / Pentanol-(1)* $CH_3(CH_2)_4OH$ $C_5H_{12}O$ $M = 88{,}15$ g/mol **1 L ≈ 0,82 kg** assay (GC) ..... min. 99% boiling range ..... 137—139 °C density (D_4^{20}) ..... 0,814—0,816 refractive index (n_D^{20}) ..... 1,4090—1,4100 non-volatile matter ..... max. 0,001% water (according to Karl Fischer) ..... max. 0,1% free acid (as CH_3COOH) ..... max. 0,005% aluminium (Al) ..... max. 0,00005% barium (Ba) ..... max. 0,00001% lead (Pb) ..... max. 0,00001% boron (B) ..... max. 0,000002% cadmium (Cd) ..... max. 0,000005% calcium (Ca) ..... max. 0,00005% chromium (Cr) ..... max. 0,000002% iron (Fe) ..... max. 0,00001% cobalt (Co) ..... max. 0,000002% copper (Cu) ..... max. 0,000002% magnesium (Mg) ..... max. 0,00001% manganese (Mn) ..... max. 0,000002% Nickel (Ni) ..... max. 0,000002% zinc (Zn) ..... max. 0,00001% tin (Sn) ..... max. 0,00001% reaction to sulphuric acid ..... passes test aldehydes [as $CH_3(CH_2)_3CHO$] ..... max. 0,05% R: 10-20 S: 24/25 disposal: 6	FL. FL. *2904*	500 ml 1 L	17,— 31,25	14,45 26,55	13,60 25,—	13,10 24,05
243 /3 .3 1105 2 9°C	**Pentanol-(1)** PROSYNTH® (*n*-amyl alcohol) *Pentanol-(1) / Pentanol-(1)* $CH_3(CH_2)_4OH$ $C_5H_{12}O$ $M = 88{,}15$ g/mol **1 L ≈ 0,82 kg** assay (GC) ..... 99% boiling range ..... 137—139 °C refractive index (n_D^{20}) ..... 1,410 R: 10-20 S: 24/25 disposal: 6	FL. FL. *2904*	500 ml 2,5 L	12,— 46,—	10,20 38,20	9,60 35,90	9,25 34,50
244 '3 3 1105 2 °C	**Pentanol-(2)** PROSYNTH® *Pentanol-(2) / Pentanol-(2)* $CH_3(CH_2)_2CH(OH)CH_3$ $C_5H_{12}O$ $M = 88{,}15$ g/mol **1 L ≈ 0,81 kg** assay (GC) ..... 98% boiling range ..... 117—119 °C refractive index (n_D^{20}) ..... 1,406 R: 10-20 S: 24/25 disposal: 6	FL. *2904*	500 ml	29,50	25,10	23,60	22,70
251 3 3 1105 2 °C	**Pentanol-(3)** PROSYNTH® *Pentanol-(3) / Pentanol-(3)* $(C_2H_5)_2CHOH$ $C_5H_{12}O$ $M = 88{,}15$ g/mol **1 L ≈ 0,82 kg** assay (GC) ..... 98% boiling range ..... 114—116 °C refractive index (n_D^{20}) ..... 1,410 R: 10-20 S: 24/25 disposal: 6	FL. *2904*	50 ml	15,50	13,20	12,40	11,65

Pentanone-(2) see Methyl propyl ketone

Pentanone-(3) see Diethyl ketone

CHROMASOLV® solvents for chromatography

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
62952 A 3/1A C 3.1 1108 1 -18 °C	**Pentene-(1)** PROSYNTH® *Pentène-(1) / Penteno-(1)* $CH_3CH_2CH_2CH=CH_2$ C_5H_{10} M = 70,13 g/mol **1 L ≈ 0,64 kg** assay (GC) ..... 98 % boiling range ..... 30–32 °C refractive index (n_D^{20}) ..... 1,371 R: 11 S: 9-16-33 disposal: 6	FL. *2901*	100 ml	49,75	42,30	39,80	37,3
62953 A 3/1A C 3.2 1993 2 -17 °C	**Pentene-(2)** PROSYNTH® mixture of *cis*- and *trans*-isomers *Pentène-(2) / Penteno-(2)* $CH_3CH_2CH=CHCH_3$ C_5H_{10} M = 70,13 g/mol **1 L ≈ 0,66 kg** assay (GC) ..... 95 % boiling range ..... 34–37 °C refractive index (n_D^{20}) 1,381	FL. *2901*	100 ml	30,75	26,15	24,60	23,0
	***iso*-Pentyl alcohol** see 3-Methyl-1-butanol						
	***tert.*-Pentyl alcohol** see 2-Methylbutanol-(2)						
62955 A 3/5 C 3.2 1106 2 +4 °C	**Pentylamine** PROSYNTH® *Pentylamine / Pentilamina* $CH_3(CH_2)_4NH_2$ $C_5H_{13}N$ M = 87,16 g/mol **1 L ≈ 0,76 kg** assay (GC) ..... 99 % boiling range ..... 102–104 °C refractive index (n_D^{20}) ..... 1,412 R: 11-36/37 S: 16-26-29 disposal: 19	FL. *2922*	50 ml	24,—	20,40	19,20	18,-
63868 A 3/1A C 3.2 2733 2 -1 °C	***iso*-Pentylamine** PROSYNTH® *iso-Pentylamine / iso-Pentilamina* $(CH_3)_2CHCH_2CH_2NH_2$ $C_5H_{13}N$ M = 87,16 g/mol **1 L ≈ 0,75 kg** assay (GC) ..... 99 % boiling range ..... 95–97 °C refractive index (n_D^{20}) ..... 1,408 R: 11-36/37 S: 16-26-29 disposal: 19	FL. *2922*	25 ml	18,75	15,95	15,—	14,0
62956 A 3/4 +65 °C	***n*-Pentylbenzene** PROSYNTH® *n-Pentylbenzène / n-Pentilbenceno* $C_6H_5(CH_2)_4CH_3$ $C_{11}H_{16}$ M = 148,25 g/mol **1 L ≈ 0,86 kg** assay (GC) ..... 98 % boiling range ..... 203–205 °C refractive index (n_D^{20}) 1,487	FL. *2901*	100 ml	69,—	58,65	55,20	51,7
65137 A 3/3 C 3.3 1993 2 +42 °C	***sec.*-Pentylbenzene** PROSYNTH® *sec.-Pentylbenzène / sec.-Pentilbenceno* $C_6H_5CH(CH_3)CH_2CH_2CH_3$ $C_{11}H_{16}$ M = 148,25 g/mol **1 L ≈ 0,86 kg** assay (GC) ..... 97 % boiling range ..... 196–198 °C refractive index (n_D^{20}) ..... 1,487 R: 10 disposal: 6	FL. *2901*	50 ml	28,—	23,80	22,40	21,-
	***iso*-Pentyl bromide** see 1-Bromo-3-methylbutane						
	Pentyl chloride see 1-Chloropentane						
	Pentyl cyanide see Capronitrile						
	Pentyl iodide see 1-Iodopentane						
	***iso*-Pentyl iodide** see 1-Iodo-3-methylbutane						
	***iso*-Pentyl nitrite** see ***iso*-Amyl nitrite**						

e-Number D/ADR SVE/GGVS DG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
94	**Pentyl propionate** PROSYNTH® *Pentyle propionate / Pentilo propionato* $CH_3CH_2COO(CH_2)_4CH_3$ $C_8H_{16}O_2$ $M = 144{,}21$ g/mol **1 L ≈ 0,87 kg** assay (GC) ..... 98% boiling range ..... 167–169 °C refractive index (n_D^{20}) ..... 1,410 R: 10 S: 23 disposal: 6	FL. *2914*	250 ml	26,25	22,30	21,–	19,70
1993 2 C							
64	**Pentyne-(1)** PROSYNTH® *Pentyne-(1) / Pentino-(1)* $CH_3CH_2CH_2C \equiv CH$ C_5H_8 $M = 68{,}12$ g/mol **1 L ≈ 0,69 kg** assay (GC) ..... 98% boiling range ..... 39–41 °C refractive index (n_D^{20}) ..... 1,385 R: 11 S: 9-16-33 disposal: 6	FL. *2901*	25 ml	49,75	42,30	39,80	37,30
A 1993 2							
20	**Pepsin** 1000 units/g, DAB 5 *Pepsine / Pepsina*	PF. *3507*	1 kg	28,50	24,25	22,80	21,95
21	**Pepsin** 1200 units/g, DAB 6 *Pepsine / Pepsina*	PF. PF. PF. *3507*	500 g 1 kg 5 kg	18,50 33,25 136,50	15,75 28,25 113,30	14,80 26,60 106,45	14,25 25,60 102,40
95	**Pepsin** 10000 units/g, DAB 8 *Pepsine / Pepsina*	PF. PF. *3507*	100 g 1 kg	18,75 141,–	15,95 119,85	15,– 112,80	14,05 108,55
23	**Peptone** exsiccated, from meat *Peptone / Peptona*	PF. PF. *3504*	250 g 1 kg	35,– 117,–	29,75 99,45	28,– 93,60	26,25 90,10
5 3 1873 1	**Perchloric acid** 70%, R. G., Reag. ISO, Reag. Ph. Eur. I *Acide perchlorique / Acido perclórico* $HClO_4$ $M = 100{,}46$ g/mol **1 L ≈ 1,67 kg** assay ..... min. 70% insoluble in ethanol ..... max. 0,001% residue on ignition (as sulphates) ..... max. 0,003% lead (Pb) ..... max. 0,00001% cadmium (Cd) ..... max. 0,00001% iron (Fe) ..... max. 0,0002% copper (Cu) ..... max. 0,00001% manganese (Mn) ..... max. 0,00005% silver (Ag) ..... max. 0,0005% zinc (Zn) ..... max. 0,00005% free chlorine (Cl) ..... max. 0,00005% chloride (Cl) ..... max. 0,0003% phosphate and silicate (as SiO_2) ..... max. 0,0005% sulphate (SO_4) ..... max. 0,001% total nitrogen (N) ..... max. 0,002% R: 5-8-35 S: 23-26-36 disposal: 16	FL. FL. FL. TS. *2813*	500 ml 1 L 2,5 L 35 kg	27,75 51,– 106,– kg	23,60 43,35 88,– 15,60	22,20 40,80 82,70	21,35 39,25 79,50

Code-Number
A) RID/ADR
B) GGVE/GGVS
C) IMDG-CODE (GGVSee)

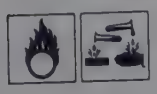
Type of package *B.T.N.*

Price per package DM | 1x | 6x (1 Box) | 24x (4 Boxes) | 9 (16 B

30750 **Perchloric acid** 70% R. G. for determination of mercury, Reag. ISO, Reag. Ph. Eur. I
A 5.1/3
C 5.1 1873 1 *Acide perchlorique / Acido perclórico*

$HClO_4$ *M* = 100,46 g/mol — **1 L ≈ 1,67 kg**

assay	min. 70%
insoluble in ethanol	max. 0,001%
residue on ignition (as sulphates)	max. 0,003%
lead (Pb)	max. 0,00001%
cadmium (Cd)	max. 0,00001%
iron (Fe)	max. 0,0002%
copper (Cu)	max. 0,00001%
manganese (Mn)	max. 0,00005%
mercury (Hg)	max. 0,0000005%
silver (Ag)	max. 0,0005%
zinc (Zn)	max. 0,00005%
free chlorine (Cl)	max. 0,00005%
chloride (Cl)	max. 0,0003%
phosphate and silicate (as SiO_2)	max. 0,0005%
sulphate (SO_4)	max. 0,001%
total nitrogen (N)	max. 0,002%



R: 5-8-35 S: 23-26-36
disposal: 16

FL. *2813* — 1 L — 64,50 — 54,85 — 51,60 — 4

17830 **Perchloric acid** 70%, PURANAL®
A 5.1/3
C 5.1 1873 1 *Acide perchlorique / Acido perclórico*

$HClO_4$ *M* = 100,46 g/mol — **1 L ≈ 1,67 kg**

assay	min. 70%
insoluble in ethanol	max. 10 ppm
residue on ignition (as sulphates)	max. 30 ppm
aluminium (Al)	max. 0,05 ppm
barium (Ba)	max. 0,1 ppm
beryllium (Be)	max. 0,02 ppm
lead (Pb)	max. 0,05 ppm
cadmium (Cd)	max. 0,05 ppm
calcium (Ca)	max. 0,5 ppm
chromium (Cr)	max. 0,05 ppm
iron (Fe)	max. 1 ppm
gallium (Ga)	max. 0,02 ppm
gold (Au)	max. 0,1 ppm
indium (In)	max. 0,02 ppm
potassium (K)	max. 0,5 ppm
cobalt (Co)	max. 0,05 ppm
copper (Cu)	max. 0,05 ppm
lithium (Li)	max. 0,02 ppm
magnesium (Mg)	max. 0,5 ppm
manganese (Mn)	max. 0,05 ppm
molybdenum (Mo)	max. 0,05 ppm
sodium (Na)	max. 0,5 ppm
nickel (Ni)	max. 0,1 ppm
platinum (Pt)	max. 0,2 ppm
silver (Ag)	max. 0,05 ppm
strontium (Sr)	max. 0,1 ppm
thallium (Tl)	max. 0,05 ppm
titanium (Ti)	max. 0,5 ppm
vanadium (V)	max. 0,05 ppm
bismuth (Bi)	max. 0,1 ppm
zinc (Zn)	max. 0,1 ppm
tin (Sn)	max. 0,1 ppm
zirconium (Zr)	max. 0,1 ppm
free chlorine (Cl)	max. 0,5 ppm
chloride (Cl)	max. 3 ppm
phosphate and silicate (as SiO_2)	max. 5 ppm
sulphate (SO_4)	max. 10 ppm
total nitrogen (N)	max. 20 ppm

R: 5-8-35 S: 23-26-36
disposal: 16

FL. — 2,5 L — price on request
TS. — 35 kg — price on request
2813

refer explanations

le-Number D/ADR GVE/GGVS DG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
754 1/3 1 1873 1	**Perchloric acid** 60%, R. G. Reag. ISO *Acide perchlorique / Acido perclórico* $HClO_4$ *M* = 100,46 g/mol **1 L ≈ 1,53 kg** assay ..... min. 60% insoluble in ethanol ..... max. 0,001% residue on ignition (as sulphates) ..... max. 0,003% lead (Pb) ..... max. 0,00001% cadmium (Cd) ..... max. 0,00001% iron (Fe) ..... max. 0,0002% copper (Cu) ..... max. 0,00001% manganese (Mn) ..... max. 0,00005% silver (Ag) ..... max. 0,0005% zinc (Zn) ..... max. 0,00005% chloride (Cl) ..... max. 0,0003% free chlorine (Cl) ..... max. 0,00005% phosphate and silicate (as SiO_2) ..... max. 0,0005% sulphate (SO_4) ..... max. 0,001% total nitrogen (N) ..... max. 0,002% R: 5-8-35 S: 23-26-36 disposal: 16	FL. FL. TS. *2813*	1 L 2,5 L 30 kg	42,— 88,— kg	35,70 73,05 13,45	33,60 68,65	32,35 66,—
	Perchlorobutadiene see Hexachlorobutadiene-(1,3)						
	Perchlorocyclopentadiene see Hexachlorocyclopentadiene						
	Perchloroethylene see Tetrachloroethylene						
	Perchloromethane see Carbon tetrachloride						
	Perchloromethylmercaptan see Trichloromethanesulphenyl chloride						
42 41B l 2014 2	**PERDROGEN®** R.G. (30% by weight H_2O_2 ≙ 100 by volume oxygen) (hydrogen peroxide) Reag. Ph. Eur. I H_2O_2 *M* = 34,01 g/mol **1 L ≈ 1,11 kg** assay ..... min. 30% non-volatile matter ..... max. 0,005% residue on ignition ..... max. 0,002% free acid (as H_2SO_4) ..... max. 0,003% lead (Pb) ..... max. 0,000002% iron (Fe) ..... max. 0,00001% copper (Cu) ..... max. 0,000002% nickel (Ni) ..... max. 0,000002% chloride (Cl) ..... max. 0,00005% phosphate (PO_4) ..... max. 0,0002% sulphate (SO_4) ..... max. 0,0002% total nitrogen (N) ..... max. 0,0004% R: 34 S: 28-39 disposal: 8	PF. PF. PK. *2854*	250 ml 1 L 5 L	12,— 30,75 120,—	10,20 26,15 99,60	9,60 24,60 93,60	9,— 23,70 90,—
	Perfluorobutanol see Heptafluoro-1-butanol						
33 2 760 2	**(Perfluorobutyl)-acetyl chloride** PROSYNTH® *(Perfluorobutyl)-acétyle chlorure / (Perfluorobutil)-acetilo cloruro* $CF_3(CF_2)_3CH_2COCl$ $C_6H_2ClF_9O$ *M* = 296,52 g/mol **1 L ≈ 1,65 kg** assay (ex Cl) ..... 95% boiling range (at 133 mbar) ..... 66—68 °C	FL. *2914*	25 ml	137,50	116,90	110,—	103,15
11 *23* 2810 2	**Perfluorobutyl iodide** PROSYNTH® *Perfluorobutyle iodure / Perfluorobutilo yoduro* $CF_3(CF_2)_3J$ C_4F_9J *M* = 345,93 g/mol **1 L ≈ 2,04 kg** assay (GC) ..... 95% boiling range ..... 64—66 °C refractive index (n_D^{20}) ..... 1,329 (traces of free iodine)	FL. *2902*	25 ml	138,50	117,75	110,80	103,90
5	**Perfluorobutyramide** PROSYNTH® *Perfluorobutyramide / Perfluorobutírico amida* $CF_3CF_2CF_2CONH_2$ $C_4H_2F_7NO$ *M* = 213,05 g/mol assay (ex N) 95%	WG. *2925*	5 g	23,—	19,55	18,40	17,25

FIXANAL® preparations for standard solutions

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	9 (16 B
61354 A 8/21A2 C 8 1760 2	**Perfluorobutyric acid** PROSYNTH® *Acide perfluorobutyrique / Acido perfluorobutírico* $CF_3(CF_2)_2COOH$ $C_4HF_7O_2$ $M = 214{,}04$ g/mol **1 L ≈ 1,65 kg** assay (alkalimetric) ..... 98 % boiling range ..... 118–120 °C	FL. *2914*	50 ml	96,–	81,60	76,80	72
61444 A 8/21 C 8 1760 2	**Perfluorobutyric anhydride** PROSYNTH® *Anhydride perfluorobutyrique / Anhídrido perfluorobutírico* $(CF_3CF_2CF_2CO)_2O$ $C_8F_{14}O_3$ $M = 410{,}06$ g/mol **1 L ≈ 1,67 kg** assay (alkalimetric) ..... 99 % boiling range ..... 109–111 °C	FL. *2914*	10 ml	58,–	49,30	46,40	43
61292 A 8/22 C 8 1760 2	**Perfluorobutyryl chloride** PROSYNTH® *Perfluorobutyryle chlorure / Perfluorobutirilo cloruro* $CF_3CF_2CF_2COCl$ C_4ClF_7O $M = 232{,}49$ g/mol **1 L ≈ 1,55 kg** assay (ex Cl) ..... 98 % boiling range ..... 37–39 °C refractive index (n_D^{25}) 1,288	FL. *2914*	10 ml	62,50	53,15	50,–	46
61448 A 3/4 +72 °C	**Perfluorodecahydronaphthalene** PROSYNTH® mixture of *cis*- and *trans*-isomers *Perfluorodécahydronaphtalène / Perfluorodecahidronaftaleno* $C_{10}F_{18}$ $M = 462{,}08$ g/mol **1 L ≈ 1,94 kg** assay (GC) ..... 95 % boiling range ..... 142–146 °C refractive index (n_D^{20}) 1,341	FL. *2902*	10 ml	23,50	20,–	18,80	17
61156 A 6.1/23 C 6.1 2811 2	**1H-Perfluorodecane** PROSYNTH® *1H-Perfluorodécane / 1H-Perfluorodecano* $CF_3(CF_2)_8CHF_2$ $C_{10}HF_{21}$ $M = 520{,}08$ g/mol assay (GC) ..... 98 % melting range ..... 31–33 °C	WG. *2902*	25 g	71,50	60,80	57,20	5
61022 A 6.1/23 C 6.1 28112	**1H,1H,2H,2H-Perfluorodecanol** PROSYNTH® *1H-1H-2H-2H-Perfluorodécanol / 1H,1H,2H,2H-Perfluorodecanol* $CF_3(CF_2)_7CH_2CH_2OH$ $C_{10}H_5F_{17}O$ $M = 464{,}12$ g/mol assay (GC) ..... 95 % boiling range (at 20 mbar) ..... 97–99 °C	WG. *2904*	25 g	81,50	69,30	65,20	6
61016 A 6.1/23 C 6.1 2810 2	**1H,1H,2H-Perfluorodecene-(1)** PROSYNTH® *1H-1H-2H-Perfluorodécène-(1) / 1H,1H,2H-Perfluorodeceno-(1)* $CF_3(CF_2)_7CH=CH_2$ $C_{10}H_3F_{17}$ $M = 446{,}11$ g/mol **1 L ≈ 1,67 kg** assay (GC) ..... 98 % boiling range (at 973 mbar) ..... 146–149 °C refractive index (n_D^{20}) 1,300	FL. *2902*	25 ml	137,50	116,90	110,–	10
61136 A 8/22 C 8 1759 2	**(Perfluorodecyl)-acetyl chloride** PROSYNTH® *(Perfluorodécyl)-acétyle chlorure / (Perfluorodecil)-acetilo cloruro* $CF_3(CF_2)_9CH_2COCl$ $C_{12}H_2ClF_{21}O$ $M = 596{,}57$ g/mol assay (ex Cl) ..... 95 % melting range ..... 69–72 °C	WG. *2914*	25 g	86,50	73,55	69,20	6
61127 A 6.1/23 C 6.1 2811 2	**Perfluorodecyl bromide** PROSYNTH® *Perfluorodécyle bromure / Perfluorodecilo bromuro* $CF_3(CF_2)_9Br$ $C_{10}BrF_{21}$ $M = 598{,}98$ g/mol assay (GC) ..... 90 % melting range ..... 50–53 °C	WG. *2902*	25 g	438,–	372,30	350,40	32

ode-Number RID/ADR GGVE/GGVS IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
1004 6.1/23 6.1 2811 2	**Perfluorodecyl iodide** PROSYNTH® *Perfluorodécyle iodure / Perfluorodecilo yoduro* $CF_3(CF_2)_9J$ $C_{10}F_{21}J$ $M = 645{,}98$ g/mol assay (GC) ..... 97% (traces of free iodine)	WG. *2902*	25 g	71,50	60,80	57,20	53,6
1008 6.1/23 6.1 2811 2	**1H,1H,2H,2H-Perfluorodecyl iodide** PROSYNTH® *1H-1H-2H-2H-Perfluorodécyle iodure /* *1H,1H,2H,2H-Perfluorodecilo yoduro* $CF_3(CF_2)_7CH_2CH_2J$ $C_{10}H_4F_{17}J$ $M = 574{,}02$ g/mol assay (GC) ..... 95% boiling range ..... 178–180°C refractive index (n_D^{20}) 1,360	WG. *2902*	25 g	71,—	60,35	56,80	53,25
023 1/23 12811 2	**1H,1H,2H,2H-Perfluorododecanol** PROSYNTH® *1H-1H-2H-2H-Perfluorododécanol /* *1H,1H,2H,2H-Perfluorododecanol* $CF_3(CF_2)_9CH_2CH_2OH$ $C_{12}H_5F_{21}O$ $M = 564{,}14$ g/mol assay (GC) ..... 95% boiling range (at 13 mbar) ..... 110–112 °C	WG. *2904*	25 g	81,50	69,30	65,20	61,15
005 1/62 1 2811 2	**Perfluorododecyl iodide** PROSYNTH® *Perfluorododécyle iodure / Perfluorododecilo yoduro* $CF_3(CF_2)_{11}J$ $C_{12}F_{25}J$ $M = 746{,}00$ g/mol assay (GC) ..... 95% (traces of free iodine)	WG. *2902*	25 g	71,50	60,80	57,20	53,65
009 1/23 1 2811 2	**1H,1H,2H,2H-Perfluorododecyl iodide** PROSYNTH® *1H-1H-2H-2H-Perfluorododécyle iodure /* *1H,1H,2H,2H-Perfluorododecilo yoduro* $CF_3(CF_2)_9CH_2CH_2J$ $C_{12}H_4F_{21}J$ $M = 674{,}03$ g/mol assay (GC) 95%	WG. *2902*	25 g	71,50	60,80	57,20	53,65
392 1/23 1 1615 3	**Perfluoroethyl iodide** PROSYNTH® *Perfluoroéthyle iodure / Perfluoroetilo yoduro* CF_3CF_2J C_2F_5J $M = 245{,}92$ g/mol assay (GC) ..... 98% boiling point ..... 10 °C R: 23/24/25 S: 44 disposal: 13	A. *2902*	100 g	214,—	181,90	171,20	160,50
90 /23 2810 2	**1H,1H-Perfluoroethyl iodide** PROSYNTH® *1H-1H-Perfluoroéthyle iodure / 1H,1H-Perfluoroetilo yoduro* CF_3CH_2J $C_2H_2F_3J$ $M = 209{,}94$ g/mol **1 L ≈ 2,20 kg** assay (GC) ..... 98% boiling range ..... 54–56 °C refractive index (n_D^{20}) ..... 1,401 R: 23/24/25 S: 44 disposal: 13	FL. *2902*	25 ml	262,—	222,70	209,60	196,50
41 /62 2810 3	**(2H-Perfluoroethyl)-propen-(2)-ylether** PROSYNTH® *(2H-Perfluoroéthyl)-propène-(2)-yléther / (2H-Perfluoroetil)-* *propen-(2)-ileter* $CH_2=CHCH_2OCHFCF_3$ $C_5H_6F_4O$ $M = 158{,}10$ g/mol **1 L ≈ 1,20 kg** assay (GC) ..... 98% boiling range ..... 76–78 C	FL. *2908*	25 ml	26,25	22,30	21,—	19,70

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61447	**Perfluoroglutaric acid** PROSYNTH® *Acide perfluoroglutarique / Acido perfluoroglutárico* $HOOC(CF_2)_3COOH$ $C_5H_2F_6O_4$ $M = 240,06$ g/mol assay (alkalimetric) ..... 95% melting range ..... 88–91 °C	FL. *2915*	1 g	21,50	18,30	17,20	1
61033 A 6.1/23 C 6.1 2810 2	**Perfluoroheptanoic acid** PROSYNTH® *Acide perfluoroheptanoïque / Acido perfluoroheptanóico* $CF_3(CF_2)_5COOH$ $C_7HF_{13}O_2$ $M = 364,06$ g/mol **1 L ≈ 1,79 kg** assay (GC) ..... 95% boiling range (at 19 mbar) ..... 78–80 °C	FL. *2914*	25 ml	82,50	70,15	66,–	6
61019 A 6.1/23 C 6.1 2810 2	**1H,1H-Perfluoroheptanol** PROSYNTH® *1H-1H-Perfluoroheptanol / 1H,1H-Perfluoroheptanol* $CF_3(CF_2)_5CH_2OH$ $C_7H_3F_{13}O$ $M = 350,08$ g/mol **1 L ≈ 1,75 kg** assay (GC) ..... 96% boiling range (at 133 mbar) ..... 94–96 °C	FL. *2904*	25 ml	119,–	101,15	95,20	8
61449	**Perfluorohexane** mixture of isomers PROSYNTH® *Perfluorohexane / Perfluorohexano* $CF_3(CF_2)_4CF_3$ C_6F_{14} $M = 338,04$ g/mol **1 L ≈ 1,68 kg** assay (GC) ..... 99% boiling range ..... 54–58 °C	FL. *2902*	10 ml	27,75	23,60	22,20	2
61154 A 6.1/23 C 6.1 2810 2	**1H-Perfluorohexane** PROSYNTH® *1H-Perfluorohexane / 1H-Perfluorohexano* $CF_3(CF_2)_4CHF_2$ C_6HF_{13} $M = 320,05$ g/mol **1 L ≈ 1,68 kg** assay (GC) ..... 98% boiling range (at 973 mbar) ..... 68–70 °C	FL. *2902*	25 ml	120,–	102,–	96,–	9
61129 A 8/22 C 8 1760 2	**Perfluorohexanesulphenyl chloride** PROSYNTH® *Perfluorohexanesulfényle chlorure / Perfluorohexanosulfenilo cloruro* $CF_3(CF_2)_5SCl$ $C_6ClF_{13}S$ $M = 386,56$ g/mol **1 L ≈ 1,76 kg** assay (GC) ..... 98% boiling range ..... 124–126 °C	FL. *2903*	10 ml	55,50	47,20	44,40	4
61039 A 6.1/23 C 6.1 2811 2	**Perfluorohexanesulphonic acid potassium salt** PROSYNTH® *Acide perfluorohexanesulfonique sel potassique / Acido perfluorohexansulfónico sal potásica* $CF_3(CF_2)_5SO_3K$ $C_6F_{13}KO_3S$ $M = 438,21$ g/mol assay 98%	WG. *2903*	25 g	54,–	45,90	43,20	4
61038 A 6.1/23 C 6.1 2810 2	**Perfluorohexanesulphonic acid solution** 50% in water PROSYNTH® *Acide perfluorohexanesulfonique en solution / Acido perfluorohexanosulfónico en solución* $CF_3(CF_2)_5SO_3H$ $C_6HF_{13}O_3S$ $M = 400,12$ g/mol **1 L ≈ 1,32 kg** assay (alkalimetric) 50%	FL. *2903*	25 ml	40,75	34,65	32,60	3
61018 A 6.1/23 C 6.1 2810 2	**1H,1H,2H,2H-Perfluorohexanol** PROSYNTH® *1H-1H-2H-2H-Perfluorohexanol / 1H,1H,2H,2H-Perfluorohexanol* $CF_3(CF_2)_3CH_2CH_2OH$ $C_6H_5F_9O$ $M = 264,09$ g/mol **1 L ≈ 1,59 kg** assay (GC) ..... 95% boiling range (at 973 mbar) ..... 140–143 °C refractive index (n_D^{20}) 1,319	FL. *2904*	25 ml	129,–	109,65	103,20	9

Number ADR /GGVS -CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
0 2	**(Perfluorohexyl)-acetyl chloride** PROSYNTH® *(Perfluorohexyl)-acétyle chlorure / (Perfluorohexil)-acetilo cloruro* $CF_3(CF_2)_5CH_2COCl$ $C_8H_2ClF_{13}O$ $M = 396{,}54$ g/mol **1 L ≈ 1,73 kg** assay (ex Cl) ..... 95% boiling range (at 16 mbar) ..... 58—60 °C	FL. *2914*	**25 ml**	147,50	125,40	118,—	110,65
10 2	**Perfluorohexyl bromide** PROSYNTH® *Perfluorohexyle bromure / Perfluorohexilo bromuro* $CF_3(CF_2)_5Br$ C_6BrF_{13} $M = 398{,}95$ g/mol **1 L ≈ 1,72 kg** assay (GC) ..... 97% assay of perfluorohexyl iodide (GC) ..... 1% boiling range ..... 99—101 °C (traces of free iodine) R: 23/24/25 S: 44 disposal: 9	FL. *2902*	**10 ml**	350,—	297,50	280,—	262,50
10 2	**Perfluorohexyl chloride** PROSYNTH® *Perfluorohexyle chlorure / Perfluorohexilo cloruro* $CF_3(CF_2)_5Cl$ C_6ClF_{13} $M = 354{,}50$ g/mol **1 L ≈ 1,71 kg** assay (GC) ..... 98% boiling range ..... 84—86 °C	FL. *2902*	**25 ml**	122,50	104,15	98,—	91,90
10 2	**Perfluorohexyl iodide** PROSYNTH® *Perfluorohexyle iodure / Perfluorohexilo yoduro* $CF_3(CF_2)_5J$ $C_6F_{13}J$ $M = 445{,}95$ g/mol **1 L ≈ 2,02 kg** assay (GC) ..... 97% boiling range ..... 115—117 °C refractive index (n_D^{20}) ..... 1,328 (traces of free iodine) R: 23/24/25 S: 44 disposal: 9	FL. *2902*	**25 ml**	137,50	116,90	110,—	103,15
0 2	**1H,1H,2H,2H-Perfluorohexyl iodide** PROSYNTH® *1H-1H-2H-2H-Perfluorohexyle iodure / 1H,1H,2H,2H-Perfluorohexilo yoduro* $CF_3(CF_2)_3CH_2CH_2J$ $C_6H_4F_9J$ $M = 373{,}99$ g/mol **1 L ≈ 1,94 kg** assay (GC) ..... 95% boiling range ..... 138—140 °C R: 23/24/25 S: 44 disposal: 9	FL. *2902*	**25 ml**	131,—	111,35	104,80	98,25
0 2	**1H,1H,2H,2H-Perfluorohexyl nitrate** PROSYNTH® *1H-1H-2H-2H-Perfluorohexyle nitrate / 1H,1H,2H,2H-Perfluorohexilo nitrato* $CF_3(CF_2)_3CH_2CH_2ONO_2$ $C_6H_4F_9NO_3$ $M = 309{,}09$ g/mol **1 L ≈ 1,64 kg** assay ..... 98% R: 23/24/25 S: 44 disposal: 9	FL. *2921*	**25 ml**	131,—	111,35	104,80	98,25
0 2	**1H,1H,1H,2H,3H,3H-Perfluoro-2-iodononane** PROSYNTH® *1H-1H-1H-2H-3H-3H-Perfluoro-2-iodononane / 1H,1H,1H,2H,3H,3H-Perfluoro-2-yodononano* $CF_3(CF_2)_5CH_2CHJCH_3$ $C_9H_6F_{13}J$ $M = 488{,}03$ g/mol **1 L ≈ 1,86 kg** assay (GC) ..... 95% boiling range (at 200 mbar) ..... 129—131 °C	FL. *2902*	**25 ml**	102,50	87,15	82,—	76,90

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	
61442	**Perfluoromethylcyclohexane** PROSYNTH® *Perfluorométhylcyclohexane / Perfluorometilciclohexano* C_7F_{14} M = 350,05 g/mol assay (GC) ..... 93% boiling range ..... 73–76 °C refractive index (n_D^{17}) 1,285	FL. *2902*	5 g	24,75	21,05	19,80	1
61036 A 6.1/23 C 6.1 2811 2	**Perfluorononanoic acid** PROSYNTH® *Acide perfluorononaoïque / Acido perfluorononanóico* $CF_3(CF_2)_7COOH$ $C_9HF_{17}O_2$ M = 464,08 g/mol assay (alkalimetric) ..... 95% melting range ..... 65–68 °C	WG. *2914*	25 g	54,–	45,90	43,20	4
61026 A 6.1/23 C 6.1 2810 2	**1H,1H,2H,3H,3H-Perfluorononylene oxide-(1,2)** PROSYNTH® *1H-1H-2H-3H-3H-Perfluorononylène oxyde-(1-2) /* *1H,1H,2H,3H,3H-Perfluorononileno óxido-(1,2)* $CF_3(CF_2)_5CH_2\underline{CHCH_2O}$ $C_9H_5F_{13}O$ M = 376,12 g/mol **1 L ≈ 1,65 kg** assay ..... 95% boiling range (at 20 mbar) ..... 53–55 °C refractive index (n_D^{20}) 1,316	FL. *2909*	25 ml	188,–	159,80	150,40	14
61155 A 6.1/23 C 6.1 2810 2	**1H-Perfluorooctane** PROSYNTH® *1H-Perfluorooctane / 1H-Perfluorooctano* $CF_3(CF_2)_6CHF_2$ C_8HF_{17} M = 420,07 g/mol **1 L ≈ 1,77 kg** assay (GC) ..... 98% boiling range (at 973 mbar) ..... 110–112 °C	FL. *2902*	25 ml	125,–	106,25	100,–	9
61041 A 6.1/23 C 6.1 2811 2	**Perfluorooctanesulphonic acid potassium salt** PROSYNTH® *Acide perfluorooctanesulfonique sel potassique / Acido perfluorooctanosulfónico sal potásica* $CF_3(CF_2)_7SO_3K$ $C_8F_{17}KO_3S$ M = 538,22 g/mol assay 98%	WG. *2903*	25 g	54,–	45,90	43,20	4
61040 A 6.1/23 C 6.1 2810 2	**Perfluorooctanesulphonic acid solution** 50%, PROSYNTH® *Acide perfluorooctanesulfonique en solution / Acido perfluorooctanosulfónico en solución* $CF_3(CF_2)_7SO_3H$ $C_8HF_{17}O_3S$ M = 500,13 g/mol **1 L ≈ 1,10 kg** assay (alkalimetric) 50%	FL. *2903*	25 ml	40,75	34,65	32,60	3
61035 A 6.1/23 C 6.1 2811 2	**Perfluorooctanoic acid** PROSYNTH® *Acide perfluorooctanoïque / Acido perfluorooctanóico* $CF_3(CF_2)_6COOH$ $C_8HF_{15}O_2$ M = 414,07 g/mol assay (alkalimetric) ..... 95% melting range ..... 50–52 °C	WG. *2914*	25 g	78,–	66,30	62,40	5
61020 A 6.1/23 C 6.1 2811 2	**1H,1H-Perfluorooctanol** PROSYNTH® *1H-1H-Perfluorooctanol / 1H,1H-Perfluorooctanol* $CF_3(CF_2)_6CH_2OH$ $C_8H_3F_{15}O$ M = 400,09 g/mol assay 96%	WG. *2904*	25 g	71,50	60,80	57,20	5
61021 A 6.1/23 C 6.1 2810 2	**1H,1H,2H,2H-Perfluorooctanol** PROSYNTH® *1H-1H-2H-2H-Perfluorooctanol /* *1H,1H,2H,2H-Perfluorooctanol* $CF_3(CF_2)_5CH_2CH_2OH$ $C_8H_5F_{13}O$ M = 364,11 g/mol **1 L ≈ 1,69 kg** assay (GC) ..... 95% boiling range (at 47 mbar) ..... 91–93 °C refractive index (n_D^{20}) 1,313	FL. *2904*	25 ml	136,50	116,05	109,20	10

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0 2	**Perfluorooctanoyl chloride** PROSYNTH® *Perfluorooctanoyle chlorure / Perfluorooctanoilo cloruro* $CF_3(CF_2)_6COCl$ $C_8ClF_{15}O$ $M = 432{,}52$ g/mol **1 L ≈ 1,75 kg** assay (ex Cl) ..... 98% boiling range ..... 132–135 °C	FL. *2914*	25 ml	86,50	73,55	69,20	64,90
3 810 2	**1H,1H,2H-Perfluorooctene-(1)** PROSYNTH® *1H-1H-2H-Perfluorooctène-(1) /* *1H,1H,2H-Perfluorooctено-(1)* $CF_3(CF_2)_5CH=CH_2$ $C_8H_3F_{13}$ $M = 346{,}09$ g/mol **1 L ≈ 1,58 kg** assay (GC) ..... 98% boiling range ..... 102–104 °C	FL. *2902*	25 ml	125,50	106,70	100,40	94,15
9 2	**(Perfluorooctyl)-acetyl chloride** PROSYNTH® *(Perfluorooctyl)-acétyle chlorure / (Perfluorooctil)-acetilo cloruro* $CF_3(CF_2)_7CH_2COCl$ $C_{10}H_2ClF_{17}O$ $M = 496{,}55$ g/mol **1 L ≈ 1,77 kg** assay (ex Cl) ..... 95% boiling range (at 15 mbar) ..... 80–82 °C	WG. *2914*	25 g	86,50	73,55	69,20	64,90
3 310 2	**Perfluorooctyl bromide** PROSYNTH® *Perfluorooctyle bromure / Perfluorooctilo bromuro* $CF_3(CF_2)_7Br$ C_8BrF_{17} $M = 498{,}96$ g/mol **1 L ≈ 1,93 kg** assay (GC) ..... 95% boiling range ..... 131–133 °C	FL. *2902*	10 ml	56,50	48,05	45,20	42,40
3 310 2	**Perfluorooctyl iodide** PROSYNTH® *Perfluorooctyle iodure / Perfluorooctilo yoduro* $CF_3(CF_2)_7J$ $C_8F_{17}J$ $M = 545{,}97$ g/mol **1 L ≈ 2,02 kg** assay (GC) ..... 97% boiling range ..... 158–160 °C (traces of free iodine)	FL. *2902*	25 ml	122,50	104,15	98,—	91,90
3 310 2	**1H,1H,2H,2H-Perfluorooctyl iodide** PROSYNTH® *1H-1H-2H-2H-Perfluorooctyle iodure /* *1H,1H,2H,2H-Perfluorooctilo yoduro* $CF_3(CF_2)_5CH_2CH_2J$ $C_8H_4F_{13}J$ $M = 474{,}00$ g/mol **1 L ≈ 1,94 kg** assay (GC) ..... 95% boiling range ..... 178–180 °C refractive index (n_D^{20}) 1,360	FL. *2902*	25 ml	123,50	105,—	98,80	92,65
	Perfluoropropene PROSYNTH® *Perfluoropropène / Perfluropropeno* steel bottle of 500 g $CF_3CF=CF_2$ C_3F_6 $M = 150{,}02$ g/mol	*2902*	1 pack	price on request			
10 2	**Perfluoropropene** dimer, mixture of isomers PROSYNTH® (Perfluorohexene mixture of isomers) *Perfluoropropène / Perfluoropropeno* $(C_3F_6)_2$ C_6F_{12} $M = 300{,}05$ g/mol **1 L ≈ 1,62 kg** assay (GC) ..... 95% boiling range ..... 48–50 °C R: 20-37 S: 41 disposal: 23	FL. *2902*	100 ml	143,—	121,55	114,40	107,25

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61151 A 6.1/12 C 6.1 2810 2	**Perfluoropropene** trimer, mixture of isomers PROSYNTH® (Perfluorononene mixture of isomers) *Perfluoropropène / Perfluoropropeno* $(C_3F_6)_3$ C_9F_{18} $M = 450{,}07$ g/mol **1 L ≈ 1,83 kg** assay (GC) ..... 95% boiling range ..... 110–115 °C R: 20-37 S: 41 disposal: 23	FL. *2902*	100 ml	161,–	136,85	128,80	1
61452 A 8/21D C 8 1760 2	**Perfluoropropionic anhydride** PROSYNTH® *Anhydride perfluoropropionique / Anhidrido perfluoropropiónico* $(CF_3CF_2CO)_2O$ $C_6F_{10}O_3$ $M = 310{,}05$ g/mol **1 L ≈ 1,59 kg** assay (alkalimetric) ..... 97% boiling range ..... 70–72 °C refractive index (n_D^{20}) 1,273	FL. *2914*	5 ml	37,25	31,65	29,80	
61355 A 6.1/23 C 6.1 2810 2	**Perfluoro-*n*-propyl iodide** PROSYNTH® *Perfluoro-n-propyle iodure / Perfluoro-n-propilo yoduro* $CF_3CF_2CF_2J$ C_3F_7J $M = 295{,}93$ g/mol **1 L ≈ 2,06 kg** assay (GC) ..... 99% boiling range ..... 39–41 °C refractive index (n_D^{20}) 1,327	FL. *2902*	5 ml	84,50	71,85	67,60	
61118 A 6.1/62 C 6.1 2810 3	**Perfluoro-*iso*-propyl iodide** PROSYNTH® *Perfluoro-iso-propyle iodure / Perfluoro-iso-propilo yoduro* $CF_3CF(CF_3)J$ C_3F_7J $M = 295{,}93$ g/mol **1 L ≈ 2,09 kg** assay (GC) ..... 98% boiling range ..... 37–39 °C refractive index (n_D^{20}) ..... 1,328 keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	FL. *2902*	25 ml	125,50	106,70	100,40	
61142 A 6.1/62 C 6.1 2810 3	**(2H-Perfluoropropyl)-propen-(2)-ylether** PROSYNTH® *(2H-Perfluoropropyl)-propène-(2)-yléther / (2H-Perfluoropropil)-propen-(2)-ileter* $CH_2=CHCH_2OCF_2CHFCF_3$ $C_6H_6F_6O$ $M = 208{,}10$ g/mol **1 L ≈ 1,29 kg** assay (GC) ..... 95% boiling range ..... 87–89 °C	FL. *2908*	25 ml	29,–	24,65	23,20	
61380	**Perfluorosuccinic acid** PROSYNTH® *Acide perfluorosuccinique / Acido perfluorosuccínico* $HOOCCF_2CF_2COOH$ $C_4H_2F_4O_4$ $M = 190{,}05$ g/mol assay (alkalimetric) ..... 92% melting range ..... 111–114 °C	FL. *2915*	1 g	60,50	51,45	48,40	
61010 A 6.1/23 C 6.1 2811 2	**1H,1H,2H,2H-Perfluorotetradecyl iodide** PROSYNTH® *1H-1H-2H-2H-Perfluorotétradécyle iodure / 1H,1H,2H,2H-Perfluorotetradecilo yoduro* $CF_3(CF_2)_{11}CH_2CH_2J$ $C_{14}H_4F_{25}J$ $M = 774{,}05$ g/mol assay (GC) 95%	WG. *2902*	25 g	71,50	60,80	57,20	
61353 A 8/35 C 8 1760 2	**Perfluorotributylamine** PROSYNTH® *Perfluorotributylamine / Perfluorotributilamina* $N(CF_2CF_2CF_2CF_3)_3$ $C_{12}F_{27}N$ $M = 671{,}10$ g/mol assay (GC) ..... 95% boiling range ..... 177–179 °C refractive index (n_D^{25}) 1,291	FL. *2922*	10 g	25,75	21,90	20,60	

Perfume compunds on request

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mber GVS DE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	***ortho*-Periodic acid** R. G. *Acide ortho-periodique / Acido orto-peryódico* H_5IO_6 $M = 227{,}94$ g/mol assay ..... min. 99,5% insoluble in water ..... max. 0,005% residue on ignition ..... max. 0,2% foreign halogens (as Cl) ..... max. 0,01% iodine (I) ..... max. 0,001% sulphate (SO_4) ..... max. 0,01%	WG. WG. WG. *2813*	10 g 25 g 100 g	8,75 16,— 48,25	7,45 13,60 41,—	7,— 12,80 38,60	6,55 12,— 36,20
2	***ortho*-Periodic acid** cryst. *Acide ortho-periodique / Acido orto-peryódico* H_5IO_6 $M = 227{,}94$ g/mol assay 99,5%	WG. WG. FT. *2813*	25 g 100 g 25 kg	12,75 39,25 price on request	10,85 33,35	10,20 31,40	9,55 29,45
	PERMUTIT® see Ion exchangers						
	Peroxybenzoic acid see Benzoyl peroxide						
	Perthane min. 99% PESTANAL® (1,1-Dichloro-2,2-bis-[4-ethylphenyl]-ethane) $Cl_2CHCH(C_6H_4CH_2CH_3)_2$ $C_{18}H_{20}Cl_2$ $M = 307{,}26$ g/mol	FL. *2902*	1 g	56,50	48,05	45,20	42,40
	Peru balsam artificial, in the constants B. P. 1948 *Baume du Pérou / Bálsamo de Perú*	EKL. *3304*	35 kg	price on request			
	Peru balsam artificial, special *Baume du Pérou / Bálsamo de Perú*	EKL. *3304*	30 kg	price on request			
	Perylene PROSYNTH® *Pérylène / Perileno* $C_{20}H_{12}$ $M = 252{,}31$ g/mol assay (HPLC) ..... 99% melting range ..... 276—279 °C	FL. *2901*	1 g	22,—	18,70	17,60	16,50
	Petrolatum see Paraffin viscid						
★ 2	**Petroleum ether** (ligroine) boiling range abt. 90—100° C *Ether de pétrole / Eter de petróleo* **1 L ≈ 0,71 kg** boiling range ..... 90—100 °C density (D_4^{20}) ..... 0,705—0,707 non-volatile matter ..... 0,005% R: 11 S: 9-16-29-33 disposal: 6	FL. FL. EKL. EKL. F. *2710*	1 L 2,5 L 30 L 5x 200 L	14,50 31,50 L L price on request	12,35 26,15 3,40 3,15	11,60 24,55	11,15 23,65
★ 2	**Petroleum ether** FAM-Benzine standard (DIN 51635 and 51557), boiling range 65—95° C *Ether de pétrole / Eter de petróleo* **1 L ≈ 0,70 kg** boiling range (DIN 51751) ..... 65—95 °C density at 15 °C (DIN 51757/5) ..... 0,690—0,705 non-volatile matter (DIN 51776) ..... 2 mg/100 ml aniline point (DIN 51775) ..... 59—61 °C aromatic substance ..... 0,2—2,0% doctor test (DIN 51765) ..... negative corrosion effect to copper copper strips test (DIN 51759, 3 h, 50 °C) ... negative precipitating power for hard asphalt as per suitability test according to DIN 51635 arc DIN 51557 ..... corresponding R: 11 S: 9-16-29-33 disposal: 6	FL. FL. EKL. EKL. *2710*	1 L 2,5 L 30 L 5x	20,50 43,50 L L	17,45 36,10 6,30 5,80	16,40 33,95	15,80 32,65

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32248 ★ **Petroleum ether** R. G. boiling range 60—80 °C *Ether de pétrole / Eter de petróleo* A 3/1A C 3.1 1115 2 -20 °C **1 L ≈ 0,67 kg** boiling range ..... 60—80 °C density (D_4^{20}) ..... 0,665—0,675 non-volatile matter ..... max. 0,001 % R: 11 S: 9-16-29-33 disposal: 5	FL. FL. EKL. *2710*	1 L 2,5 L 30 L	22,— 47,75 L	18,70 39,65 9,—	17,60 37,25	1 3
24553 ★ **Petroleum ether** boiling range 60—70° C *Ether de pétrole / Eter de petróleo* A 3/1A C 3.1 1268 2 -20 °C **1 L ≈ 0,67 kg** boiling range ..... 60—70 °C density (D_4^{20}) ..... 0,665—0,667 refractive index (n_D^{20}) ..... 1,3760—1,3780 non-volatile matter ..... 0,002 % R: 11 S: 9-16-29-33 disposal: 5	FL. ALU. EKL. EKL. EKL. F. *2710*	1 L † 5 L 30 L 5x 10x 200 L	13,— 48,— L L L	11,05 39,85 4,10 3,90 3,70 price on request	10,40 37,45	1 3
32247 ★ **Petroleum ether** R. G., Reag. Ph. Eur. I (petroleum benzine) boiling range 50—70 °C *Ether de pétrole / Eter de petróleo* A 3/1A C 3.1 1115 2 -20 °C **1 L ≈ 0,66 kg** boiling range ..... 50—70 °C density (D_4^{20}) ..... 0,655—0,665 non-volatile matter ..... max. 0,001 % water (according to Karl Fischer) ..... max. 0,02 % R: 11 S: 9-16-29-33 disposal: 5	FL. FL. EKL. *2710*	1 L 2,5 L 30 L	22,25 48,25 L	18,90 40,05 9,—	17,80 37,65	1 3
24557 ★ **Petroleum ether** DAB 6 (petroleum benzine) boiling range 50—70 °C *Ether de pétrole / Eter de petróleo* A 3/1A C 3.1 1115 2 -20 °C **1 L ≈ 0,66 kg** boiling range ..... 50—70 °C density (D_4^{20}) ..... 0,655—0,665 non-volatile matter ..... 0,001 % water (according to Karl Fischer) ..... 0,02 % R: 11 S: 9-16-29-33 disposal: 5	FL. FL. EKL. EKL. EKL. F. *2710*	1 L 2,5 L 30 L 5x 10x 200 L	16,— 33,75 L L L	13,60 28,— 4,05 3,90 3,70 price on request	12,80 26,35	1 2
34491 ★ **Petroleum ether** PESTANAL® boiling range 40—60 °C *Ether de pétrole / Eter de petróleo* A 3/1A C 3.1 1268 2 -20 °C **1 L ≈ 0,65 kg** non-volatile matter ..... max. 0,0005 % water (according to Karl Fischer) ..... max. 0,01 % suitability for residue analysis: Traceable accompanying substances (GC/ECD) (column 0,5 m, glass capillary Ø 3 mm Silicon TLC 200 on Chromosorb® 100/200) show in the retention volum zones between Pentachlorobenzene, α-HCH, Aldrin and DDT a peak of $< 5 \cdot 10^{-10}$ % ≙ 5 ng/l. R: 11 S: 9-16-29-33 disposal: 5	FL. FL. ALU. *2710*	1 L 2 L 5 L	21,50 35,50 80,—	18,30 30,20 66,40	17,20 28,40 62,40	1 2 6
24541 ★ **Petroleum ether** pure, boiling range 40—60° C *Ether de pétrole / Eter de petróleo* A 3/1A C 3.1 1268 2 -20 °C **1 L ≈ 0,65 kg** boiling range ..... 40—60 °C density (D_4^{20}) ..... 0,647—0,649 refractive index (n_D^{20}) ..... 1,3670—1,3690 non-volatile matter ..... 0,002 % R: 11 S: 9-16-29-33 disposal: 5	FL. ALU. EKL. EKL. EKL. *2710*	1 L † 5 L 30 L 5x 10x	13,25 49,25 L L L	11,25 40,90 4,80 4,50 4,25	10,60 38,40	1 3

refer explanations

mber GVS DE (GGVSee)	Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
★ **Petroleum ether** (wound benzine) boiling range abt. 40—60 °C DAB 8, Reag. Ph. Eur. I 2 *Ether de pétrole / Eter de petróleo* **1 L ≈ 0,65 kg** boiling range ..... 40—60 °C density (D_{20}^{20}) ..... 0,642—0,656 non-volatile matter ..... 0,001 % R: 11 S: 9-16-29-33 disposal: 5	FL. ALU. EKL. EKL. EKL. F. *2710*	1 L 5 L 30 L 5x 10x 200 L	16,75 60,50 L L L price on request	14,25 50,20 4,30 4,10 3,95	13,05 47,20	12,40 45,40
★ **Petroleum ether** R. G. boiling range 30—50 °C *Ether de pétrole / Eter de petróleo* 2 **1 L ≈ 0,63 kg** boiling range ..... 30—50 °C density (D_{4}^{20}) ..... 0,627—0,630 refractive index (n_{D}^{20}) ..... 1,3600—1,3605 non-volatile matter ..... max. 0,001 % water (according to Karl Fischer) ..... max. 0,05 % R: 11 S: 9-16-29-33 disposal: 5	FL. ALU. EKL. *2710*	1 L † 5 L 30 L	21,75 90,— L	18,50 74,70 10,—	16,95 70,20	16,10 67,50
★ **Petroleum ether** boiling range 30—50° C *Ether de pétrole / Eter de petróleo* 2 **1 L ≈ 0,63 kg** boiling range ..... 30—50 °C density (D_{4}^{20}) ..... 0,627—0,630 refractive index (n_{D}^{20}) ..... 1,3600—1,3605 non-volatile matter ..... 0,002 % R: 11 S: 9-16-29-33 disposal: 5	FL. ALU. EKL. EKL. EKL. *2710*	1 L 5 L 30 L 5x 10x	15,50 57,50 L L L	13,20 47,75 4,50 4,25 4,05	12,40 44,85	11,95 43,15
★ **Petroleum ether** boiling range up to abt. 40° C *Ether de pétrole / Eter de petróleo* 2 **1 L ≈ 0,63 kg** boiling range ..... 30—40 °C density (D_{4}^{20}) ..... 0,624—0,626 refractive index (n_{D}^{20}) ..... 1,3565—1,3580 non-volatile matter ..... 0,002 % R: 11 S: 9-16-29-33 disposal: 5	FL. ALU. EKL. EKL. EKL. *2710*	1 L † 5 L 30 L 5x 10x	17,75 71,50 L L L	15,10 59,35 6,15 5,75 5,50	14,20 55,75	13,65 53,65
Phenacetin cryst. Ph. Eur. I, B. P. 1973, Ph. Franç. IX *Phénacétine / Fenacetina* $CH_3CH_2OC_6H_4NHCOCH_3$ $C_{10}H_{13}NO_2$ $M = 179,22$ g/mol assay (dried substance) ..... 98—101 % melting range ..... 134—137 °C	PF. PF. FTP. *2925*	1 kg 5 kg 50 kg	29,50 110,50 price on request	25,10 91,70	23,60 86,20	22,70 82,90
Phenacetin powder Ph. Eur. I, B. P. 1973, Ph. Franç. IX *Phénacétine / Fenacetina* $CH_3CH_2OC_6H_4NHCOCH_3$ $C_{10}H_{13}NO_2$ $M = 179,22$ g/mol assay (dried substance) ..... 98—101 % melting range ..... 134—137 °C	PF. PF. FTP. *2925*	1 kg 5 kg 50 kg	32,25 113,— price on request	27,40 93,80	25,80 88,15	24,85 84,75
Phenanthrene PROSYNTH® *Phénanthrène / Fenantreno* $C_6H_4CH=CHC_6H_4$ $C_{14}H_{10}$ $M = 178,23$ g/mol assay (UV) ..... 98 % melting range ..... 97—99 °C log $c_{/250,5}$ (isooctane) 4,812	PF. *2901*	250 g	75,—	63,75	60,—	56,25

PANPEHA® universal indicator paper in strips

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)
62961	**Phenanthrenequinone-(9,10)** PROSYNTH® *Phénanthrènequinone-(9-10) / Fenantrenquinona-(9,10)* $C_6H_4COCOC_6H_4$ $C_{14}H_8O_2$ $M = 208{,}22$ g/mol assay (HPLC) ..... 93% melting range ..... 206–208 °C	WG. *2913*	100 g	77,50	65,90	62,–
33510	**1,10-Phenanthroline** R. G. *1-10-Phénanthroline / 1,10-Fenantrolina* $C_{12}H_8N_2 \cdot H_2O$ $M = 198{,}22$ g/mol	PF. PF. *2935*	5 g 25 g	17,50 67,50	14,90 57,40	14,– 54,–
	Phenanthrolin + iron sulphate see Ferroin solution					
33515	**1,10-Phenanthrolinium chloride** R. G., Reag. Ph. Eur. I *1-10-Phénanthroline chlorhydrate / 1,10-Fenantrolinio cloruro* $C_{12}H_9ClN_2 \cdot H_2O$ $M = 234{,}69$ g/mol assay ..... min. 99,5% melting range ..... 224–227 °C loss on drying (105 °C) ..... max. 8% sulphated ash ..... max. 0,2% sensibility to iron ..... passes test	WG. WG. *2935*	5 g 10 g	18,50 29,50	15,75 25,10	14,80 23,60
62962	**Phenazine** PROSYNTH® *Phénazine / Fenacina* $N{=}C_6H_4{=}NC_6H_4$ $C_{12}H_8N_2$ $M = 180{,}21$ g/mol assay ..... 98% melting range ..... 174–176 °C	WG. *2935*	10 g	87,50	74,40	70,–
62958 A 8/35 C 8 1760 2	**Phenethylamine** PROSYNTH® *Phénéthylamine / Fenetilamina* $C_6H_5CH_2CH_2NH_2$ $C_8H_{11}N$ $M = 121{,}18$ g/mol **1 L ≈ 0,96 kg** assay (GC) ..... 98% boiling range ..... 197–200 °C refractive index (n_D^{20}) 1,533	FL. *2922*	250 ml	22,–	18,70	17,60
62959 A 3/4 +96 °C	**2-Phenethyl bromide** PROSYNTH® *2-Phénéthyle bromure / 2-Fenetilo bromuro* $C_6H_5CH_2CH_2Br$ C_8H_9Br $M = 185{,}07$ g/mol **1 L ≈ 1,36 kg** assay (GC) 98%	FL. *2902*	100 ml	13,25	11,25	10,60
62963 A 6.1/210 C 6.1 2311 3	**o-Phenetidine** PROSYNTH® *o-Phénétidine / o-Fenetidina* $NH_2C_6H_4OC_2H_5$ $C_8H_{11}NO$ $M = 137{,}18$ g/mol **1 L ≈ 1,04 kg** assay (GC) ..... 99% boiling range ..... 228–230 °C refractive index (n_D^{20}) ..... 1,555 R: 23/24/25-33 S: 28-36/37-45 disposal: 6	FL. *2923*	250 ml	21,50	18,30	17,20
60245 A 6.1/210 C 6.1 2311 3	**p-Phenetidine** PROSYNTH® *p-Phénétidine / p-Fenetidina* $C_6H_4(OC_2H_5)(NH_2)$ $C_8H_{11}NO$ $M = 137{,}18$ g/mol **1 L ≈ 1,07 kg** assay (GC) ..... 99% boiling range ..... 250–254 °C refractive index (n_D^{20}) ..... 1,560 R: 23/24/25-33 S: 28-36/37-45 disposal: 6	FL. *2923*	500 ml	32,25	27,40	25,80

mber GVS DE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	Phenetole PROSYNTH® *Phénétole / Fenetol* $C_6H_5OC_2H_5$ $C_8H_{10}O$ $M = 122{,}17$ g/mol **1 L ≈ 0,96 kg** assay (GC) ..... 98% boiling range ..... 168–172 °C refractive index (n_D^{20}) 1,505	FL. *2908*	250 ml	17,50	14,90	14,—	13,15
	Phenmedipham min. 99% PESTANAL® [3-Methoxycarbonylaminophenyl-N-(3'-methyl-phenyl)-carbamate] $CH_3OC(O)NHC_6H_4OC(O)NHC_6H_4CH_3$ $C_{16}H_{16}N_2O_4$ $M = 300{,}31$ g/mol	FL. *2921*	1 g	28,25	24,—	22,60	21,20
2	**Phenol** R. G., Reag. ACS *Phénol / Fenol* C_6H_5OH C_6H_6O $M = 94{,}11$ g/mol assay (GC) ..... min. 99,5% congealing point ..... min. 40 °C boiling range ..... 180–181 °C non-volatile matter ..... max. 0,01% water (according to Karl Fischer) ..... max. 0,2% iron (Fe) ..... max. 0,0001% heavy metals (as Pb) ..... max. 0,001% chloride (Cl) ..... max. 0,0005% cresoles (GC) ..... max. 0,25% R: 24/25-34 S: 2-28-44 disposal: 6	PF. PF. PF. *2906*	250 g 500 g 1 kg	16,50 27,75 51,—	14,05 23,60 43,35	13,20 22,20 40,80	12,40 21,35 39,25
2	**Phenol** chem. pure detached crystals DAB 8 *Phénol / Fenol* C_6H_5OH C_6H_6O $M = 94{,}11$ g/mol assay (GC) ..... 99,5% boiling range ..... 180–182 °C non-volatile matter ..... 0,03% R: 24/25-34 S: 2-28-44 disposal: 6	PF. PF. BLT. BLT. *2906*	500 g 1 kg 100 kg 5x	21,50 39,— kg kg	18,30 33,15 18,70 17,35	17,20 31,20	16,55 30,05
	Phenol chem. pure DAB 8 *Phénol / Fenol* C_6H_5OH C_6H_6O $M = 94{,}11$ g/mol assay (GC) ..... 99,5% boiling range ..... 180–182 °C non-volatile matter ..... 0,03% R: 24/25-34 S: 2-28-44 disposal: 6	FL. EKS. EKS. *2906*	1 kg 40 kg 5x	23,— kg kg	19,55 7,35 6,90	18,40	17,70
	Phenol liquefied DAB 7 *Phénol / Fenol* C_6H_5OH C_6H_6O $M = 94{,}11$ g/mol **1 L ≈ 1,06 kg** assay ..... 91% density (D_4^{20}) ..... 1,065–1,070 non-volatile matter ..... 0,03% R: 24/25-34 S: 2-28-44 disposal: 6	FL. ALU. STP. STP. *2906*	1 L 5 L 30 kg 5x	21,75 81,— kg kg	18,50 67,25 6,90 6,60	17,40 63,20	16,75 60,75

Phenol crude see Cresol crude

Phenol monochloride see 2-Chlorophenol

Phenolpentachloride see Pentachlorophenol

PEHANAL® universal indicator paper in rolls

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)
33518	**Phenolphthalein** indicator, Reag. Ph. Eur. I (C. I. No. 764 [1924], S. No. 879) *Phénolphtaléine / Fenolftaleína* $C_6H_4COOC(C_6H_4OH)_2$ $C_{20}H_{14}O_4$ $M = 318{,}33$ g/mol	PF. PF. PF. *2935*	100 g 250 g 1 kg	15,— 30,— 100,50	12,75 25,50 85,45	12,— 24,— 80,40
16019	**Phenolphthalein** chem. pure DAB 6 *Phénolphtaléine / Fenolftaleína* $C_6H_4COOC(C_6H_4OH)_2$ $C_{20}H_{14}O_4$ $M = 318{,}33$ g/mol melting range ..... 255—260 °C ash ..... 0,1% fluorane ..... passes test	PF. PF. PF. FTP. *2935*	250 g 500 g 1 kg 50 kg	19,75 31,25 57,50 kg 24,25	16,80 26,55 48,90	15,80 25,— 46,—
	Phenolphthalein paper see Indicator and reagent papers					
34605 A 3/5 C 3.2 1142 2 21 °C	**Phenolphthalein solution** 2%, indicator *Phénolphtaléine en solution / Fenolftaleína en solución* **1 L ≈ 0,90 kg** R: 11 S: 7-16 disposal: 6	FL. FL. *3819*	1 L 2,5 L	22,50 47,75	19,15 39,65	18,— 37,25
34607 A 3/5 C 3.2 1142 2 +21 °C	**Phenolphthalein solution** 1%, indicator *Phénolphtaléine en solution / Fenolftaleína en solución* **1 L ≈ 0,90 kg** R: 11 S: 7-16 disposal: 6	FL. FL. *3819*	500 ml 1 L	11,— 19,75	9,35 16,80	8,80 15,80
34606 A 3/5 C 3.2 1142 2 +21 °C	**Phenolphthalein solution** DIN 8106, indicator *Phénolphtaléine en solution / Fenolftaleína en solución* **1 L ≈ 0,80 kg** R: 11-23/25 S: 2-7-16-24 disposal: 18	FL. FL. *3819*	500 ml 1 L	11,25 19,—	9,55 16,15	9,— 15,20
32661	**Phenol red** indicator, Reag. Ph. Eur. I *Rouge de phénol / Rojo de fenol* $C_6H_4SO_2OC(C_6H_4OH)_2$ $C_{19}H_{14}O_5S$ $M = 354{,}38$ g/mol	WG. WG. WG. *2937*	10 g 25 g 100 g	15,— 32,75 111,—	12,75 27,85 94,35	12,— 26,20 88,80
32662	**Phenol red** water-soluble *Rouge de phénol / Rojo de fenol*	WG. WG. *3205*	5 g 10 g	14,50 25,25	12,35 21,45	11,60 20,20
	Phenolsulphonphthalein see Phenol red					
33908	**Phenol violet** indicator *Violet de phénol / Violeta de fenol*	FL. *3205*	1 g	17,—	14,45	13,60
33915	**Phenosafranin** redox indicator (C. I. No. 50200, S. No. 958) *Phénosafranine / Fenosafranina* $NH_2C_6H_3N=C_6H_3NH_2=N(Cl)C_6H_5$ $C_{18}H_{15}ClN_4$ $M = 322{,}80$ g/mol	WG. *3205*	10 g	92,—	78,20	73,60
60247	**Phenothiazine** PROSYNTH® *Phénothiazine / Fenotiacina* $C_6H_4SC_6H_4NH$ $C_{12}H_9NS$ $M = 199{,}28$ g/mol assay (HPLC) ..... 99% melting range ..... 183—185 °C	PF. *2935*	250 g	16,50	14,05	13,20
64783	**Phenoxyacetic acid** PROSYNTH® *Acide phénoxyacétique / Acido fenoxiacético* $C_6H_5OCH_2COOH$ $C_8H_8O_3$ $M = 152{,}15$ g/mol assay (HPLC) ..... 99% melting range ..... 98—100 °C	WG. *2916*	500 g	33,25	28,25	26,60

refer explanations

nber /S E (GGVSee)	Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
2-Phenoxybenzoic acid PROSYNTH® *Acide 2-phénoxybenzoïque / Acido 2-fenoxibenzóico* $C_6H_5OC_6H_4COOH$ $C_{13}H_{10}O_3$ M = 214,22 g/mol assay (HPLC) ..... 99% melting range ..... 111–113 °C	PF. *2916*	100 g	70,50	59,95	56,40	52,90
2-Phenoxyethanol PROSYNTH® *2-Phénoxyéthanol / 2-Fenoxietanol* $C_6H_5OCH_2CH_2OH$ $C_8H_{10}O_2$ M = 138,17 g/mol **1 L ≈ 1,11 kg** assay (GC) ..... 99% boiling range ..... 237–240 °C refractive index (n_D^{20}) 1,537	FL. EKL. *2908*	500 ml 35 kg	21,50 price on request	18,30	17,20	16,55
2-Phenoxypropionic acid PROSYNTH® *Acide 2-phénoxypropionique / Acido 2-fenoxipropiónico* $CH_3CH(OC_6H_5)COOH$ $C_9H_{10}O_3$ M = 166,18 g/mol assay (HPLC) ..... 99% melting range ..... 112–115 °C	WG. *2916*	250 g	32,75	27,85	26,20	24,55
2-Phenoxypropionyl chloride PROSYNTH® *2-Phénoxypropionyle chlorure / 2-Fenoxipropionilo cloruro* $CH_3CH(OC_6H_5)COCl$ $C_9H_9ClO_2$ M = 184,62 g/mol **1 L ≈ 1,18 kg** assay (ex Cl) ..... 97% boiling range (at 13 mbar) ..... 114–117 °C refractive index (n_D^{20}) 1,518	FL. *2916*	100 ml	25,25	21,45	20,20	18,95
3-Phenoxypropyl bromide PROSYNTH® *3-Phénoxypropyle bromure / 3-Fenoxipropilo bromuro* $C_6H_5O(CH_2)_3Br$ $C_9H_{11}BrO$ M = 215,09 g/mol **1 L ≈ 1,36 kg** assay (GC) ..... 95% boiling range (at 19 mbar) ..... 130–134 °C refractive index (n_D^{20}) 1,546	FL. *2908*	5 ml	16,50	14,05	13,20	12,40
Phenylacetaldehyde dimethyl acetal PROSYNTH® *Phénylacétaldéhyde diméthylacétal / Fenilacetaldehido dimetilacetal* $C_6H_5CH_2CH(OCH_3)_2$ $C_{10}H_{14}O_2$ M = 166,22 g/mol **1 L ≈ 1,01 kg** assay (GC) ..... 99% boiling range (at 13 mbar) ..... 95–98 °C refractive index (n_D^{20}) ..... 1,494 R: 10-20/22 S: 2-24/25 disposal: 6	FL. *2910*	100 ml	29,25	24,85	23,40	21,95
Phenylacetaldehyde solution 50% in benzyl alcohol PROSYNTH® *Phénylacétaldéhyde en solution / Fenilacetaldehido en solución* $C_6H_5CH_2CHO$ C_8H_8O M = 120,15 g/mol **1 L ≈ 1,08 kg** keep in refrigerator/I à stocker dans le refrigidaire almacenaje en la nevera	FL. *2911*	100 ml	12,75	10,85	10,20	9,55
N-Phenylacetamide see Acetanilide						
Phenyl acetate PROSYNTH® *Phényle acétate / Fenilo acetato* $CH_3COOC_6H_5$ $C_8H_8O_2$ M = 136,15 g/mol **1 L ≈ 1,08 kg** assay (GC) ..... 99% boiling range ..... 195–197 °C refractive index (n_D^{20}) 1,503	FL. *2914*	100 ml	9,50	8,10	7,60	7,15

PESTANAL® high purity pesticides, metabolites and solvents

Code-Number
A) RID/ADR
B) GGVE/GGVS
C) IMDG-CODE (GGVSee)

		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96 (16 Box
60254	**Phenylacetic acid** PROSYNTH® *Acide phénylacétique / Acido fenilacético* $C_6H_5CH_2COOH$ $C_8H_8O_2$ $M = 136{,}15$ g/mol assay (HPLC) ..... 99% melting range ..... 76–78 °C	WG. WG. *2914*	500 g 1 kg	29,50 54,50	25,10 46,35	23,60 43,60	22, 41,
	Phenylacetone see Benzyl methyl ketone						
	Phenylacetonitrile see Benzyl cyanide						
64946	**4-Phenylacetophenone** PROSYNTH® *4-Phénylacétophénone / 4-Fenilacetofenona* $C_6H_5C_6H_4COCH_3$ $C_{14}H_{12}O$ $M = 196{,}25$ g/mol assay (GC) ..... 98% melting range ..... 119–121 °C	WG. *2913*	50 g	30,75	26,15	24,60	23,
62967 A 8/22 C 8 1760 2	**Phenylacetyl chloride** PROSYNTH® *Phénylacétyle chlorure / Fenilacetilo cloruro* $C_6H_5CH_2COCl$ C_8H_7ClO $M = 154{,}60$ g/mol 1 L ≈ 1,17 kg assay (ex Cl) ..... 98% boiling range (at 13 mbar) ..... 88–92 °C refractive index (n_D^{20}) ..... 1,533 R: 34 S: 26 disposal: 21	FL. *2914*	100 ml	25,25	21,45	20,20	18,
	3-Phenylacrylic acid see Cinnamic acid						
39030	**D(+)-Phenylalanine** BIOSYNTH® *D(+)-Phénylalanine / D(+)-Fenilalanina* $C_6H_5CH_2CH(NH_2)COOH$ $C_9H_{11}NO_2$ $M = 165{,}19$ g/mol assay (ex N) ..... 99% specific rotation ($[\alpha]_D^{20}$; c = 2 in H_2O) ..... +34° ± 1°	FL. *2923*	1 g	13,–	11,05	10,40	9,
39029	**DL-Phenylalanine** BIOSYNTH® *DL-Phénylalanine / DL-Fenilalanina* $C_6H_5CH_2CH(NH_2)COOH$ $C_9H_{11}NO_2$ $M = 165{,}19$ g/mol assay (ex N) 99%	PF. *2923*	25 g	19,25	16,35	15,40	14,
39031	**L(–)-Phenylalanine** BIOSYNTH® *L(–)-Phénylalanine / L(–)-Fenilalanina* $C_6H_5CH_2CH(NH_2)COOH$ $C_9H_{11}NO_2$ $M = 165{,}19$ g/mol assay (ex N) ..... 99% specific rotation ($[\alpha]_D^{20}$; c = 2 in H_2O) ..... –34° ± 1°	WG. *2923*	25 g	19,25	16,35	15,40	14,
	Phenylamine see Aniline						
63187	**D(–)-α-Phenylaminoacetic acid** PROSYNTH® *Acide D(–)-α-phénylaminoacétique / Acido D(–)-α-fenilaminoacético* $C_6H_5CH(NH_2)COOH$ $C_8H_9NO_2$ $M = 151{,}16$ g/mol assay (ex N) ..... 99% melting range ..... 301–303 °C (disint.) spec. rotation ($[\alpha]_D^{20}$; c = 2 in HCl 1 mol/l) .. –158° ± 2°	PF. *2923*	100 g	65,50	55,70	52,40	49,
63188	**DL-α-Phenylaminoacetic acid** PROSYNTH® *Acide DL-α-phénylaminoacétique / Acido DL-α-fenilaminoacético* $C_6H_5CH(NH_2)COOH$ $C_8H_9NO_2$ $M = 151{,}16$ g/mol assay (ex N) 98%	WG. *2923*	100 g	28,–	23,80	22,40	21
	N-Phenylanthranilic acid see Diphenylamine-2-carboxylic acid						

-Number 'ADR 'E/GGVS G-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
0 52A 557 3	**Phenylarsonic acid** R. G. *Acide phénylarsonique / Acido fenilarsónico* $C_6H_5AsO(OH)_2$ $C_8H_7AsO_3$ $M = 202{,}04$ g/mol assay ..... min. 99,8% sulphated ash ..... max. 0,1% iron (Fe) ..... max. 0,001% heavy metals (as Pb) ..... max. 0,001% chloride (Cl) ..... max. 0,001% suitability for precipitation of metals ..... passes test R: 23/25 S: 1/2-20/21-28-44 disposal: 10	WG. *2934*	25 g	13,75	11,70	11,—	10,30
1	**Phenyl benzoate** PROSYNTH® *Phényle benzoate / Fenilo benzoato* $C_6H_5COOC_6H_5$ $C_{13}H_{10}O_2$ $M = 198{,}22$ g/mol assay (HPLC) ..... 99% melting range ..... 68—70 °C	WG. *2914*	100 g	28,50	24,25	22,80	21,40
	2-Phenylbenzoic acid see 2-Biphenylcarboxylic acid						
	4-Phenylbenzoic acid see 4-Biphenylcarboxylic acid						
3	**1-Phenylbiguanid** PROSYNTH® *1-Phénylbiguanide / 1-Fenilbiguanida* $C_6H_5NHC(=NH)NHC(=NH)NH_2$ $C_8H_{11}N_5$ $M = 177{,}21$ g/mol assay ..... 94% melting range ..... 132—136 °C	WG. *2926*	100 g	35,75	30,40	28,60	26,80
	Phenylboronic acid see Benzeneboronic acid						
	Phenyl-(4-bromophenyl)methane see Bromodiphenylmethane						
	1-Phenylbutane see Butylbenzene						
	2-Phenylbutane see *sec.*-Butylbenzene						
	1-Phenylbutanone-(1) see Butyrophenone						
	2-Phenylbutyramide *2-Phénylbutyramide / 2-Fenilbutiramida* $CH_3CH_2CH(C_6H_5)CONH_2$ $C_{10}H_{13}NO$ $M = 163{,}22$ g/mol	PF. FTP. *2925*	1 kg 50 kg	109,—	92,65 price on request	87,20	83,95
	2-Phenylbutyric acid pure *Acide 2-phénylbutyrique / Acido 2-fenilbutírico* $CH_3CH_2CH(C_6H_5)COOH$ $C_{10}H_{12}O_2$ $M = 164{,}20$ g/mol	WG. FTP. *2914*	1 kg 50 kg	88,—	74,80 price on request	70,40	67,75
	3-Phenylbutyric acid PROSYNTH® *Acide 3-phénylbutyrique / Acido 3-fenilbutírico* $CH_3CH(C_6H_5)CH_2COOH$ $C_{10}H_{12}O_2$ $M = 164{,}20$ g/mol assay (HPLC) ..... 99% melting range ..... 37—39 °C	WG. *2914*	10 g	19,25	16,35	15,40	14,45
	4-Phenylbutyric acid PROSYNTH® *Acide 4-phénylbutyrique / Acido 4-fenilbutírico* $C_6H_5(CH_2)_3COOH$ $C_{10}H_{12}O_2$ $M = 164{,}20$ g/mol assay (HPLC) ..... 98% melting range ..... 49—51 °C	WG. *2914*	25 g	38,25	32,50	30,60	28,70

PINA® photo dyes and photo chemicals

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	9 (16 B
60253 A 6.1/2B C 6.1 2810 2	**2-Phenylbutyronitrile** PROSYNTH® *2-Phénylbutyronitrile / 2-Fenilbutironitrilo* $CH_3CH_2CH(C_6H_5)CN$ $C_{10}H_{11}N$ $M = 145{,}20$ g/mol **1 L ≈ 0,98 kg** assay (GC) ..... 99% boiling range (at 12 mbar) ..... 110–112 °C refractive index (n_D^{20}) ..... 1,508 R: 23/24/25 S: 44 disposal: 15	FL. *2927*	250 ml	60,–	51,–	48,–	45,
63715 A 6.1/21 B 6.1/21A C 6.1 1935 1	**4-Phenylbutyronitrile** PROSYNTH® *4-Phénylbutyronitrile / 4-Fenilbutironitrilo* $C_6H_5(CH_2)_3CN$ $C_{10}H_{11}N$ $M = 145{,}20$ g/mol **1 L ≈ 0,99 kg** assay (GC) ..... 98% boiling range (at 2,3 mbar) ..... 97–99 °C refractive index (n_D^{20}) ..... 1,514 R: 23/24/25 S: 44 disposal: 15	FL. *2927*	100 g	86,–	73,10	68,80	64
16539 A 8/21 C 8 1760 2	**2-Phenylbutyryl chloride** *Phenyl-2-butyryl chlorure / 2-Fenilbutiril cloruro* $C_6H_5(CH_2)_3COCl$ $C_{10}H_{11}ClO$ $M = 182{,}65$ g/mol **1 L ≈ 1,10 kg** assay (GC) ..... 99% boiling range ..... 122–124 °C	FL. *2914*	100 ml	price on request			
62283 A 6.1/4C C 8 1760 2	**Phenyl chloroformate** PROSYNTH® *Phényle chloroformiate / Fenilo cloroformiato* $ClCOOC_6H_5$ $C_7H_5ClO_2$ $M = 156{,}57$ g/mol **1 L ≈ 1,24 kg** assay (GC) ..... 97% boiling range (at 20 mbar) ..... 80–82 °C refractive index (n_D^{20}) 1,520	FL. *2914*	100 ml	17,–	14,45	13,60	12
	2-Phenylcinchoninic acid see 2-Phenylquinoline-4-carboxylic acid						
33524 A 3/3 B 6.1/15B C 3.3 1992 2 +51 °C	**Phenyl *iso*-cyanate** R. G. *Phényle iso-cyanate / Fenilo iso-cianato* C_6H_5NCO C_7H_5NO $M = 119{,}12$ g/mol **1 L ≈ 1,10 kg** boiling range ..... 161–163 °C density (D_4^{20}) ..... 1,094–1,097 refractive index (n_D^{20}) ..... 1,5350–1,5370 sulphated ash ..... max. 0,1% R: 23/24/25 S: 44 disposal: 7	FL. *2930*	100 ml	24,75	21,05	19,80	18
39433 A 3/3 B 6.1/15B C 3.3 1992 2 +51 °C	**Phenyl *iso*-cyanate** BIOSYNTH® *Phényle iso-cyanate / Fenilo iso-cianato* C_6H_5NCO C_7H_5NO $M = 119{,}12$ g/mol **1 L ≈ 1,10 kg** R: 23/24/25 S: 44 disposal: 6	FL. *2930*	100 ml	23,–	19,55	18,40	1
	Phenyl cyanide see Benzonitrile						
63191	**1-Phenyldecane** PROSYNTH® *1-Phényldécane / 1-Fenildecano* $C_6H_5(CH_2)_9CH_3$ $C_{16}H_{26}$ $M = 218{,}38$ g/mol **1 L ≈ 0,85 kg** assay (GC) ..... 97% boiling range ..... 290–293 °C refractive index (n_D^{20}) 1,483	FL. *2901*	100 ml	82,–	69,70	65,60	6

e-Number D/ADR VE/GGVS DG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
17 */21* *1673 3	**N-Phenyldiethanolamine** PROSYNTH® *N-Phényldiéthanolamine / N-Fenildietanolamina* $C_6H_5N(CH_2CH_2OH)_2$ $C_{10}H_{15}NO_2$ *M* = 181,23 g/mol assay (GC) ..... 98% melting range ..... 56—58 °C R: 20/21/22 S: 28 disposal: 19	WG. *2923*	500 g	17,50	14,90	14,—	13,50
28	**1-Phenyl-2,3-dimethyl-4-aminopyrazolon-(5)** R. G. *1-Phényl-2-3-diméthyl-4-aminopyrazolone-(5) / 1-Fenil-2,3-dimetil-4-aminopirazolona-(5)* $C_{11}H_{13}N_3O$ *M* = 203,24 g/mol $C_{11}H_{13}N_3O$ *M* = 203,24 g/mol assay ..... min. 99% melting range ..... 107—109 °C loss on drying ..... max. 0,5% residue on ignition ..... max. 0,1%	WG. *2935*	25 g	16,75	14,25	13,40	12,55
	1-Phenyl-2,3-dimethyl-4-isopropylpyrazolone-(5) see *iso*-Propylphenazone						
	Phenyldimethylpyrazolone see also Phenazone						
32	**1-Phenyldodecane** PROSYNTH® *1-Phényldodécane / 1-Fenildodecano* $C_6H_5(CH_2)_{11}CH_3$ $C_{18}H_{30}$ *M* = 246,44 g/mol **1 L ≈ 0,86 kg** assay (GC) ..... 98% boiling range (at 16 mbar) ..... 182—184 °C refractive index (n_D^{20}) 1,482	FL. *2901*	100 ml	87,—	73,95	69,60	65,25
69 */21H* *1673 3*	**1,2-Phenylenediamine** PROSYNTH® *1-2-Phénylènediamine / 1,2-Fenilendiamina* $C_6H_4(NH_2)_2$ $C_6H_8N_2$ *M* = 108,14 g/mol assay (ex N) ..... 99% melting range ..... 100—102 °C R: 23/24/25 S: 28-44 disposal: 19	WG. *2922*	250 g	39,25	33,35	31,40	29,45
8 */21H* *1673 3*	**1,3-Phenylenediamine** PROSYNTH® *1-3-Phénylènediamine / 1,3-Fenilendiamina* $C_6H_4(NH_2)_2$ $C_6H_8N_2$ *M* = 108,14 g/mol assay (ex N) ..... 99% melting range ..... 62—64 °C R: 23/24/25 S: 28-44 disposal: 19	WG. *2922*	500 g	26,—	22,10	20,80	20,—
3	**1,2-Phenylenediammonium dichloride** PROSYNTH® *1-2-Phénylènediammonium dichlorure / 1,2-Fenilendiamonio dicloruro* $C_6H_4(NH_2)_2 \cdot 2HCl$ $C_6H_{10}Cl_2N_2$ *M* = 181,06 g/mol assay (ex Cl) ..... 99% melting range ..... 257—259 °C (disint.) R: 23/24/25 S: 28-44 disposal: 7	WG. *2922*	50 g	24,75	21,05	19,80	18,55

POLYPEHA® universal and special indicator papers in strips

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)
33521	**1,3-Phenylenediammonium dichloride** R. G. *1-3-Phénylènediammonium dichlorure / 1,3-Fenilendiamonio dicloruro* $C_6H_4(NH_2)_2 \cdot 2HCl$ $C_6H_{10}Cl_2N_2$ $M = 181{,}06$ g/mol assay ..... min. 99% sulphated ash ..... max. 0,1% iron (Fe) ..... max. 0,001% heavy metals (as Pb) ..... max. 0,001% R: 23/24/25 S: 28-44 disposal: 7	WG. WG. *2922*	25 g 100 g	8,50 25,50	7,25 21,70	6,80 20,40
16165	**1,4-Phenylenediammonium dichloride** *1-4-Phénylènediammonium dichlorure / 1,4-Fenilendiamonio dicloruro* $C_6H_4(NH_2)_2 \cdot 2HCl$ $C_6H_{10}Cl_2N_2$ $M = 181{,}06$ g/mol R: 23/24/25 S: 28-44 disposal: 7	WG. *2922*	250 g	37,50	31,90	30,—
	N',N-o-Phenylene-*iso*-thiourea see 2-Mercaptobenzimidazole					
	Phenylethane see Ethylbenzene					
62968 A 3/4 +87 °C	**1-Phenylethanol** PROSYNTH® *1-Phényléthanol / 1-Feniletanol* $C_6H_5CH(OH)CH_3$ $C_8H_{10}O$ $M = 122{,}17$ g/mol 1 L ≈ 1,01 kg assay (GC) ..... 98% boiling range ..... 200—203 °C refractive index (n_D^{20}) 1,527	FL. *2905*	500 ml	11,50	9,80	9,20
63186	**2-Phenylethanol** PROSYNTH® *2-Phényléthanol / 2-Feniletanol* $C_6H_5CH_2CH_2OH$ $C_8H_{10}O$ $M = 122{,}17$ g/mol 1 L ≈ 1,02 kg assay (GC) ..... 98% boiling range ..... 218—221 °C refractive index (n_D^{20}) 1,532	FL. *2905*	1 L	59,50	50,60	47,60
	Phenylether see Diphenyl ether					
	Phenylethylacetamide see 2-Phenylbutyramide					
	Phenylethylacetic acid see 2-Phenylbutyric acid					
63744 A 3/4 +80 °C	**Phenylethylene oxide** PROSYNTH® *Phényléthylène oxyde / Feniletileno óxido* $C_6H_5\underline{CHCH_2O}$ C_8H_8O $M = 120{,}15$ g/mol 1 L ≈ 1,05 kg assay (GC) ..... 97% boiling range ..... 192—194 °C	FL. *2909*	500 ml	26,25	22,30	21,—
61373	**2-Phenyl-4-(3-fluorobenzal)-5-oxazolone** PROSYNTH® *2-Phényl-4-(3-fluorobenzal)-5-oxazolone / 2-Fenil-4-(3-fluorobenzal)-5-oxazolona* $C_{16}H_{10}FNO_2$ $M = 267{,}26$ g/mol assay ..... 99% melting range ..... 156—158 °C	WG. *2935*	10 g	50,50	42,95	40,40
61374	**2-Phenyl-4-(4-fluorobenzal)-5-oxazolone** PROSYNTH® *2-Phényl-4-(4-fluorobenzal)-5-oxazolone / 2-Fenil-4-(4-fluorobenzal)-5-oxazolona* $C_{16}H_{10}FNO_2$ $M = 267{,}26$ g/mol assay ..... 99% melting range ..... 184—186 °C	WG. *2935*	10 g	38,75	32,95	31,—

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Number ADR E/GGVS G-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
2-Phenyl-4-(2-fluorobenzal)-5-oxazolone PROSYNTH® *2-Phényl-4-(2-fluorobenzal)-5-oxazolone / 2-Fenil-4-(2-fluorobenzal)-5-oxazolona* $C_{16}H_{10}FNO_2$ $M = 267{,}26$ g/mol assay ..... 99% melting range ..... 166–168 °C		WG. *2935*	10 g	50,50	42,95	40,40	37,90
Phenylfluoron R. G. *Phénylfluorone / Fenilfluorona* $C_6H_5C{=}C_6H_2{=}O(OH)OC_6H_2(OH)_2$ $C_{19}H_{12}O_5$ $M = 320{,}30$ g/mol		FL. *2935*	5 g	29,50	25,10	23,60	22,15
N-Phenylglycine BIOSYNTH® *N-Phénylglycine / N-Fenilglicina* $C_6H_5NHCH_2COOH$ $C_8H_9NO_2$ $M = 151{,}16$ g/mol		WG. *2923*	10 g	25,25	21,45	20,20	18,95
Phenylglyoxal PROSYNTH® *Phénylglyoxal / Fenilglioxal* C_6H_5COCHO $C_8H_6O_2$ $M = 134{,}13$ g/mol assay (GC) 97%		FL. *2911*	5 g	19,75	16,80	15,80	14,80
1-Phenylheptane PROSYNTH® *1-Phénylheptane / 1-Fenilheptano* $C_6H_5(CH_2)_6CH_3$ $C_{13}H_{20}$ $M = 176{,}30$ g/mol 1 L ≈ 0,86 kg assay (GC) ..... 96% boiling range ..... 231–233 °C refractive index (n_D^{20}) 1,484		FL. *2901*	50 ml	48,–	40,80	38,40	36,–
1-Phenylhexane PROSYNTH® *1-Phénylhexane / 1-Fenilhexano* 93 2 $CH_3(CH_2)_5C_6H_5$ $C_{12}H_{18}$ $M = 162{,}27$ g/mol 1 L ≈ 0,86 kg assay (GC) ..... 97% boiling range ..... 224–226 °C refractive index (n_D^{20}) ..... 1,487 R: 10 disposal: 6		FL. *2901*	50 ml	46,–	39,10	36,80	34,50
Phenylhydrazine PROSYNTH® *Phénylhydrazine / Fenilhidracina* 72 2 $C_6H_5NHNH_2$ $C_6H_8N_2$ $M = 108{,}14$ g/mol 1 L ≈ 1,09 kg assay ..... 99% boiling range (at 16 mbar) ..... 126–128 °C refractive index (n_D^{20}) ..... 1,608 R: 23/24/25-36 S: 28-44 disposal: 20		FL. FPF. *2929*	500 ml 50 kg	35,75 price on request	30,40	28,60	27,55
Phenylhydrazinium chloride R. G., Reag. Ph. Eur. I *Phénylhydrazine chlorhydrate / Fenilhidracinio cloruro* $C_6H_5NHNH_3Cl$ $C_6H_9ClN_2$ $M = 144{,}60$ g/mol assay (oxidimetric) ..... min. 99% loss on drying (105 °C) ..... max. 0,5% sulphated ash ..... max. 0,1% iron (Fe) ..... max. 0,001% sulphate (SO_4) ..... max. 0,01% R: 23/24/25-36 S: 28-44 disposal: 20		WG. WG. *2929*	100 g 500 g	32,25 132,–	27,40 112,20	25,80 105,60	24,20 101,65

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	
62974	**2-Phenylimidazole** PROSYNTH® *2-Phénylimidazole / 2-Fenilimidazol* $C_9H_8N_2$ M = 144,18 g/mol assay ..... 99% melting range ..... 147–149 °C	WG. *2935*	100 g	35,–	29,75	28,–	2
64144	**2-Phenylimidazoline** PROSYNTH® *2-Phénylimidazoline / 2-Fenilimidazolina* $C_9H_{10}N_2$ M = 146,19 g/mol assay (ex N) ..... 99% melting range ..... 97–99 °C	WG. *2935*	50 g	37,75	32,10	30,20	2
63720	**2-Phenylindanedione-(1,3)** PROSYNTH® *2-Phénylindanedione-(1-3) / 2-Fenilindandiona-(1,3)* $C_6H_4COCH(C_6H_5)CO$ $C_{15}H_{10}O_2$ M = 222,24 g/mol assay ..... 97% melting range ..... 148–150 °C	PF. *2913*	50 g	28,–	23,80	22,40	2
64791	**2-Phenylindole** PROSYNTH® *Phényl-2-indole / 2-Fenilindol* $C_6H_4NHC(C_6H_5)=CH$ $C_{14}H_{11}N$ M = 193,25 g/mol assay (HPLC) ..... 98% melting range ..... 175–178 °C	WG. *2935*	100 g	29,50	25,10	23,60	2
	Phenyl isocyanate see Phenyl *iso*-cyanate						
	Phenyl isothiocyanate see Phenyl *iso*-thiocyanate						
39434	**N-Phenylmaleimide** BIOSYNTH® *N-Phénylmaléimide / N-Fenilmaleimida* $C_6H_5NCOCH=CHCO$ $C_{10}H_7NO_2$ M = 173,17 g/mol	WG. *2926*	5 g	23,75	20,20	19,–	1
64123	**Phenylmalonic acid** PROSYNTH® *Acide phénylmalonique / Acido fenilmalónico* $C_6H_5CH(COOH)_2$ $C_9H_8O_4$ M = 180,16 g/mol assay (alkalimetric) ..... 98% melting range ..... 149–151 °C	WG. *2915*	50 g	20,75	17,65	16,60	1
	Phenylmercaptan see Thiophenol						
63723	**Phenylmercaptoacetic acid** PROSYNTH® *Acide phénylmercaptoacétique / Acido fenilmercaptoacético* $C_6H_5SCH_2COOH$ $C_8H_8O_2S$ M = 168,22 g/mol assay (alkalimetric) ..... 98% melting range ..... 62–64 °C	WG. *2931*	50 g	20,75	17,65	16,60	1
35880 A 6.1/81F1 C 6.1 1609 2	**Phenylmercury acetate** min. 99% PESTANAL® $C_6H_5HgOCOCH_3$ $C_8H_8HgO_2$ M = 336,74 g/mol R: 26/27/28-33 S: 2-13-28-36-45 disposal: 10	FL. *2933*	1 g	19,75	16,80	15,80	1
22101 A 6.1/81F1 C 6.1 1674 2	**Phenylmercury acetate** technical *Phénylmercure acétate / Fenilmercurio acetato* $C_6H_5HgOCOCH_3$ $C_8H_8HgO_2$ M = 336,74 g/mol assay of Hg ..... 59% R: 26/27/28-33 S: 2-13-28-36-45 disposal: 10	PF. *2933*	1 kg	181,–	153,85	144,80	13

Number OR GGVS CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
F1 2 2	**Phenylmercury acetate solution** 25% *Phénylmercure acétate en solution / Fenilmercurio acetato en solución* $C_6H_5HgOCOCH_3$ $C_8H_8HgO_2$ $M = 336{,}74$ g/mol 1 L ≈ 1,13 kg assay of Hg ..... 14,8% R: 11-23/25 S: 2-7-16-24 disposal: 10	PF. 2933	1 L	75,50	64,20	60,40	58,15
F1 9 2	**Phenylmercury chloride** min. 99% PESTANAL® C_6H_5HgCl C_6H_5ClHg $M = 313{,}15$ g/mol R: 26/27/28-33 S: 2-13-28-36-45 disposal: 10	FL. 2933	1 g	19,75	16,80	15,80	14,80
F1 26 2	**Phenylmercury chloride** technical *Phénylmercure chlorure / Fenilmercurio cloruro* C_6H_5ClHg $M = 313{,}15$ g/mol R: 26/27/28-33 S: 2-13-28-36-45 disposal: 10	PF. 2933	500 g	121,—	102,85	96,80	93,15
F1 26 2	**Phenylmercury-8-hydroxyquinoline** technical *Phénylmercure-8-hydroxyquinoléine / Fenilmercurio-8-hidroxiquinolina* $C_6H_5HgOC_6H_3CH=CHCH=N$ $C_{15}H_{11}HgNO$ $M = 421{,}85$ g/mol assay of Hg ..... 47,5% R: 26/27/28-33 S: 2-13-28-36-45 disposal: 10	PF. 2935	1 kg	277,—	235,45	221,60	213,30
05 2	**Phenylmercury nitrate** PROSYNTH® *Phénylmercure nitrate / Fenilmercurio nitrato* $C_6H_5HgNO_3 \cdot C_6H_5HgOH$ $C_{12}H_{11}Hg_2NO_4$ $M = 634{,}40$ g/mol assay (ex Hg) ..... 98% melting range ..... 193—196 °C R: 26/27/28-33 S: 2-13-28-36-45 disposal: 10	WG. 2933	100 g	67,—	56,95	53,60	50,25
F1 26 2	**Phenylmercury oleate** technical *Phénylmercure oléate / Fenilmercurio oleato* R: 26/27/28-33 S: 2-13-28-36-45 disposal: 10	BL. 2933	500 g	107,50	91,40	86,—	82,80
	Phenyl methyl ketone see Acetophenone						
	1-Phenyl-3-methylpyrazolone-(5) PROSYNTH® *1-Phényl-3-méthylpyrazolone-(5) / 1-Fenil-3-metilpirazolona-(5)* $C_6H_5NN=C(CH_3)CH_2CO$ $C_{10}H_{10}N_2O$ $M = 174{,}20$ g/mol assay (HPLC) ..... 99% melting range ..... 126—128 °C	PF. 2935	1 kg	87,50	74,40	70,—	67,40
	Phenylmethylsilicon see Silicon OV						
	N-Phenylnaphthyl-(1)-amine PROSYNTH® *N-Phénylnaphtyl-(1)-amine / N-Fenilnaftil-(1)-amina* $C_{10}H_7NHC_6H_5$ $C_{16}H_{13}N$ $M = 219{,}29$ g/mol assay (GC) ..... 98% melting range ..... 52—55 °C	WG. 2922	250 g	31,25	26,55	25,—	23,45
	Phenylnitrosohydroxylamine ammonium salt see Cupferron						

PURANAL® high purity chemicals

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
62977 A 3/4	**1-Phenylnonane** PROSYNTH® *1-Phénylnonane / 1-Fenilnonano* $C_6H_5(CH_2)_8CH_3$ $C_{15}H_{24}$ M = 204,35 g/mol **1 L ≈ 0,85 kg** assay (GC) ..... 97% boiling range ..... 280–282 °C refractive index (n_D^{20}) 1,484	FL. *2901*	100 ml	75,50	64,20	60,40	56,6
62978	**1-Phenyloctane** PROSYNTH® *1-Phényloctane / 1-Feniloctano* $C_6H_5(CH_2)_7CH_3$ $C_{14}H_{22}$ M = 190,33 g/mol **1 L ≈ 0,86 kg** assay (GC) ..... 97% boiling range ..... 261–263 °C refractive index (n_D^{20}) 1,484	FL. *2901*	100 ml	86,–	73,10	68,80	64,5
	1-Phenylpentane see *n*-Pentylbenzene						
	1-Phenylpentanone-(1) see Valerophenone						
65084 A 6.1/23C C 6.1 2811 2	**4-Phenylphenacyl bromide** PROSYNTH® *4-Phénylphénacyle bromure / 4-Fenilfenacilo bromuro* $C_6H_5C_6H_4COCH_2Br$ $C_{14}H_{11}BrO$ M = 275,14 g/mol assay (ex Br) ..... 99% melting range ..... 123–125 °C R: 23/24/25 S: 44 disposal: 7	WG. *2913*	10 g	24,75	21,05	19,80	18,5
	1-Phenylpropane see *n*-Propylbenzene						
	2-Phenylpropane see Cumene						
62980 A 3/4 +98 °C	**1-Phenylpropanol-(1)** PROSYNTH® *1-Phénylpropanol-(1) / 1-Fenilpropanol-(1)* $C_6H_5CH(OH)CH_2CH_3$ $C_9H_{12}O$ M = 136,19 g/mol **1 L ≈ 0,99 kg** assay (GC) ..... 98% boiling range (at 13 mbar) ..... 98–100 °C refractive index (n_D^{20}) 1,520	FL. *2905*	100 ml	23,50	20,–	18,80	17,6
60452	**2-Phenylpropanol-(1)** PROSYNTH® *2-Phénylpropanol-(1) / 2-Fenilpropanol-(1)* $C_6H_5CH(CH_3)CH_2OH$ $C_9H_{12}O$ M = 136,19 g/mol **1 L ≈ 1,00 kg** assay (GC) ..... 98% boiling range (at 13 mbar) ..... 109–111 °C refractive index (n_D^{20}) 1,526	FL. *2905*	100 ml	47,–	39,95	37,60	35,2
60453	**3-Phenylpropanol-(1)** PROSYNTH® *3-Phénylpropanol-(1) / 3-Fenilpropanol-(1)* $C_6H_5(CH_2)_2CH_2OH$ $C_9H_{12}O$ M = 136,19 g/mol **1 L ≈ 1,01 kg** assay (GC) ..... 98% boiling range (at 16 mbar) ..... 119–121 °C refractive index (n_D^{20}) 1,526	FL. *2905*	500 ml	53,–	45,05	42,40	40,8
	Phenylpropanone-(2) see Benzyl methyl ketone						
	2-Phenylpropene see α-Methylstyrene						
	1-Phenylpropene-(2) see Allylbenzene						
60447 A 3/4 +76 °C	**2-Phenylpropionaldehyde** PROSYNTH® *Aldéhyde 2-phénylpropionique / Aldehido 2-fenilpropiónico* $C_6H_5CH(CH_3)CHO$ $C_9H_{10}O$ M = 134,18 g/mol **1 L ≈ 1,01 kg** assay (GC) ..... 96% boiling range ..... 205–207 °C refractive index (n_D^{20}) 1,518	FL. *2911*	100 ml	34,–	28,90	27,20	25,5

ode-Number RID/ADR GGVE/GGVS IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	2-Phenylpropionic acid see Hydratropic acid						
	3-Phenylpropionic acid see Hydrocinnamic acid						
	2-Phenylpropyl alcohol see 2-Phenylpropanol-(1)						
	3-Phenylpropyl alcohol see 3-Phenylpropanol-(1)						
4718 6.1/12 6.1 2810 2	**3-Phenylpropyl bromide** PROSYNTH® *Phényl-3-propyle bromure / 3-Fenilpropilo bromuro* $C_6H_5CH_2CH_2CH_2Br$ $C_9H_{11}Br$ $M = 199{,}09$ g/mol **1 L ≈ 1,32 kg** assay (GC) ..... 98 % boiling range (at 16 mbar) ..... 108—110 °C refractive index (n_D^{20}) 1,545	FL. *2902*	250 ml	65,—	55,25	52,—	48,75
	Phenyl propyl ketone see Butyrophenone						
4124	**1-Phenylpyrazole** PROSYNTH® *1-Phénylpyrazole / 1-Fenilpirazol* $C_6H_5\underline{NN=CHCH=CH}$ $C_9H_8N_2$ $M = 144{,}18$ g/mol assay (GC) ..... 96 % boiling range ..... 245—247 °C refractive index (n_D^{20}) 1,600	FL. *2935*	5 g	28,25	24,—	22,60	21,20
4125	**1-Phenylpyrazolidone-(3)** PROSYNTH® *1-Phénylpyrazolidone-(3) / 1-Fenilpirazolidona-(3)* $C_6H_5\underline{NCH_2CH_2CNH}$ $C_9H_{10}N_2O$ $M = 162{,}19$ g/mol assay (ex N) ..... 96 % melting range ..... 120—122 °C R: 22 disposal: 6	WG. *2935*	25 g	13,25	11,25	10,60	9,95
4787	**Phenylpyruvic acid** PROSYNTH® *Acide phénylpyruvique / Acido fenilpirúvico* $C_6H_5CH_2COCOOH$ $C_9H_8O_3$ $M = 164{,}16$ g/mol assay (alkalimetric) ..... 99 % melting range ..... 150—154 °C	WG. *2916*	5 g	32,25	27,40	25,80	24,20
3725	**Phenylpyruvic acid sodium salt** PROSYNTH® *Acide phénylpyruvique sel sodique / Acido fenilpirúvico, sal sódica* $C_6H_5CH_2COCOONa$ $C_9H_7NaO_3$ $M = 186{,}14$ g/mol assay ..... 99 % keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	WG. *2916*	5 g	29,75	25,30	23,80	22,30
0206	**2-Phenylquinoline-4-carboxylic acid** DAB 6, B. P.1953, Ph. Belg. IV *Acide 2-phénylquinoléinecarboxylique-(4) / Acido 2-fenilquinolinocarboxílico-(4)* $\underline{C_6H_4N=C(C_6H_5)CH=C}COOH$ $C_{16}H_{11}NO_2$ $M = 249{,}27$ g/mol	PF. *2935*	1 kg	100,—	85,—	80,—	77,—
1798	**1-Phenylsemicarbazide** PROSYNTH® *1-Phénylsémicarbazide / 1-Fenilsemicarbazida* $NH_2CONHNHC_6H_5$ $C_7H_9N_3O$ $M = 151{,}17$ g/mol assay (ex N) ..... 98 % melting range ..... 172—174 °C R: 23/24/25 S: 44 disposal: 17	PF. *2929*	250 g	84,—	71,40	67,20	63,—

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
65085	**4-Phenylsemicarbazide** PROSYNTH® *4-Phénylsémicarbazid / 4-Fenilsemicarbazida* $C_6H_5NHCONHNH_2$ $C_7H_9N_3O$ $M = 151{,}17$ g/mol assay (ex N) ..... 99% melting range ..... 123–125 °C R: 23/24/25 S: 44 disposal: 17	WG. *2929*	10 g	17,25	14,65	13,80	12,9
39212	**DL-3-Phenylserine monohydrate** BIOSYNTH® *DL-3-Phénylsérine monohydrate / DL-3-Fenilserina monohidrato* $C_6H_5CHOHCH(NH_2)COOH \cdot H_2O$ $C_9H_{11}NO_3 \cdot H_2O$ $M = 199{,}21$ g/mol assay (ex N) 99%	WG. *2923*	10 g	19,75	16,80	15,80	14,8
64786	**DL-Phenylsuccinic acid** PROSYNTH® *Acide DL-phénylsuccinique / Acido DL-fenilsuccínico* $HOOCCH_2CH(C_6H_5)COOH$ $C_{10}H_{10}O_4$ $M = 194{,}19$ g/mol assay (alkalimetric) ..... 99% melting range ..... 166–168 °C	WG. *2915*	25 g	14,50	12,35	11,60	10,9
	Phenyl-[thienyl-(2)]ketone see 2-Benzoylthiophene						
	Phenylthiocarbamide see N-Phenylthiourea						
63721 A 6.1/21D C 3.3 1992 2 +38 °C	**Phenyl *iso*-thiocyanate** PROSYNTH® *Phényle iso-thiocyanate / Fenilo iso-tiocianato* C_6H_5NCS C_7H_5NS $M = 135{,}19$ g/mol 1 L ≈ 1,13 kg assay (GC) ..... 99% boiling range ..... 219–223 °C refractive index (n_D^{20}) ..... 1,649 R: 20/21/22 S: 28 disposal: 7	FL. FTP. *2931*	250 ml 25 kg	105,50 price on request	89,70	84,40	79,1
62987 A 6.1/81D C 6.1 1609 2	**N-Phenylthiourea** PROSYNTH® *N-Phénylthiourée / N-Feniltiourea* $C_6H_5NHCSNH_2$ $C_7H_8N_2S$ $M = 152{,}22$ g/mol assay (ex N) ..... 98% melting range ..... 148–152 °C R: 26/27/28-39 S: 1-13-45 disposal: 6	WG. *2931*	250 g	28,75	24,45	23,–	21,5
65086 A 6.1/53 C 6.1 2025 3	**Phenyl-(tribromomethyl)-mercury** PROSYNTH® *Phényl-(tribrómméthyl)-mercure / Fenil-(tribromometil)-mercurio* $Br_3CHgC_6H_5$ $C_7H_5Br_3Hg$ $M = 529{,}42$ g/mol assay (ex Hg) ..... 97% melting range ..... 118–120 °C keep in refrigerator à stocker dans le refrigidaire almacenaje en la nevera R: 26/27/28-33 S: 2-13-28-36-45 disposal: 10	FL. *2933*	5 g	57,–	48,45	45,60	42,7

refer explanations

ode-Number RID/ADR GGVE/GGVS IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
1799 8/23B 3 1760 2 91 °C	**Phenyltrichlorosilane** PROSYNTH® *Phényltrichlorosilane / Feniltriclorosilano* $C_6H_5SiCl_3$ $C_6H_5Cl_3Si$ *M* = 211,55 g/mol **1 L ≈ 1,32 kg** assay (GC) ..... 98% boiling range ..... 199—201 °C refractive index (n_D^{20}) ..... 1,523 R: 36/37/38 S: 26 disposal: 7	FL. *2934*	**250 ml**	29,50	25,10	23,60	22,15
	1-Phenyltridecane see Tridecylbenzene						
1375 8/3 8.3 1993 2 30 °C	**Phenyl trifluoroacetate** PROSYNTH® *Phényle trifluoroacétate / Fenilo trifluoroacetato* $CF_3COOC_6H_5$ $C_8H_5F_3O_2$ *M* = 190,12 g/mol **1 L ≈ 1,28 kg** assay (GC) ..... 98% refractive index (n_D^{20}) ..... 1,427 R: 26/27/28 S: 1/2-13-45 disposal: 7	FL. *2914*	**50 ml**	88,50	75,25	70,80	66,40
	9-Phenyl-2,3,7-trihydroxy-6-fluoron see Phenylfluoron						
1800 6.1/21H 8 1759 2	**N-Phenyl-N,N,N-trimethylammonium tribromide** PROSYNTH® *N-Phényl-N-N-N-triméthylammonium tribromure / N-Fenil-N,N,N-trimetilamonio tribromuro* $C_9H_{14}Br_3N$ *M* = 375,93 g/mol assay (ex Br) ..... 98% melting range ..... 112—115 °C	WG. *2924*	**50 g**	38,50	32,75	30,80	28,90
1971	**N-Phenylurea** PROSYNTH® *N-Phénylurée / N-Fenilurea* $C_6H_5NHCONH_2$ $C_7H_8N_2O$ *M* = 136,15 g/mol assay (ex N) ..... 98% melting range ..... 147—148 °C	PF. *2925*	**250 g**	28,50	24,25	22,80	21,40
1359	**1-Phenyl-1-vinylphosphonic acid** PROSYNTH® *Acidephényl-1-vinyl-1-phosphonique / Acido 1-fenilvinil-1-fosfónico* $C_6H_5C(=CH_2)PO(OH)_2$ $C_8H_9O_3P$ *M* = 184,13 g/mol assay ..... 98% melting range ..... 111—113 °C	WG. *2934*	**25 g**	81,50	69,30	65,20	61,15
1087	**Phloroglucinaldehyde** PROSYNTH® *Phloroglucinaldéhyde / Floroglucinaldehido* $(HO)_3C_6H_2CHO \cdot xH_2O$ $C_7H_6O_4 \cdot xH_2O$ *M* = (anhydrous) 154,12 g/mol assay ..... 90% water (according to Karl Fischer) 10%	WG. *2911*	**5 g**	54,50	46,35	43,60	40,90
1529	**Phloroglucinol dihydrate** R. G., Reag. Ph. Eur. I *Phloroglucinol dihydrate / Floroglucina dihidrato* $C_6H_3(OH)_3[1,3,5] \cdot 2H_2O$ $C_6H_6O_3 \cdot 2H_2O$ *M* = 162,14 g/mol assay ..... min. 99% melting range ..... 218—221 °C loss on drying (105 °C) ..... 22,0—22,5% sulphated ash ..... max. 0,02% diresorcinol ..... passes test	WG. PF. *2906*	**25 g** **100 g**	25,75 81,—	21,90 68,85	20,60 64,80	19,30 60,75

AQUANAL® test sets for quantitative analysis of aqueous solutions

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C) IMDG-CODE (GGVSee)

		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
60256	**Phloroglucinol dihydrate** PROSYNTH®	PF.	25 g	10,50	8,95	8,40	7,9
	Phloroglucinol dihydrate / Floroglucina dihidrato	PF.	100 g	35,—	29,75	28,—	26,2
	$C_6H_3(OH)_3[1,3,5] \cdot 2H_2O$	PF.	250 g	80,—	68,—	64,—	60,-
	$C_6H_6O_3 \cdot 2H_2O$ $M = 162,14$ g/mol	*2906*					
	assay (alkalimetric) ..... 99 %						
	melting range (ex dried substance) ..... 219—221 °C						
34611	**Phloroglucinol solution** spirituous DAB 6 (2 g/100 g)	FL.	250 ml	27,75	23,60	22,20	20,8
A 3/5	*Phloroglucinol en solution / Floroglucina en solución*	*3819*					
C 3.2 1987 2	1 L ≈ 0,80 kg						
+11 °C	R: 11 S: 7-16 disposal: 6						
33532	**Phloxine** for microscopy C. I. Nr. 45405, S. Nr. 888	WG.	25 g	47,50	40,40	38,—	35,6
	Phloxine / Floxina	*3205*					
	$C_{20}H_4Br_4Cl_2Na_2O_5$ $M = 760,76$ g/mol						
38910	**10,00 g Phosphate** FIXANAL® as Phosphoric acid	*3819*	1 pack	18,75	15,95	15,—	14,0
	10,00 g Phosphate / 10,00 g Fosfato ampoule						
39494	**Phosphoenol pyruvate silver-barium salt** BIOSYNTH®	FL.	1 g	221,—	187,85	176,80	165,7
A 6.1/71	*Phosphoénolpyruvate, sel d'argent-baryum /*	*2849*					
C 6.1 1564 3	*Fosfoenolpiruvato, sal plata-bario*						
	$C_3H_2AgBaO_6P \cdot 2H_2O$ $M = 446,25$ g/mol						
	keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera						
	R: 20/22 S: 28 disposal: 24						
31426	**Phosphomolybdic acid** R. G.	WG.	25 g	price on request			
	Acide molybdatophosphorique / Acido fosfomolíbdico	WG.	100 g	price on request			
	$H_3[P(Mo_3O_{10})_4] \cdot xH_2O$ M = (anhydrous) 1825,25 g/mol	*2813*					
	insoluble in water ..... max. 0,01 %						
	ammonium (NH_4) ..... max. 0,002 %						
	lead (Pb) ..... max. 0,005 %						
	calcium (Ca) ..... max. 0,01 %						
	iron (Fe) ..... max. 0,005 %						
	copper (Cu) ..... max. 0,005 %						
	chloride (Cl) ..... max. 0,005 %						
	sulphate (SO_4) ..... max. 0,02 %						
31482	**Phosphomolybdic acid** spray reagent for chromatography	*3819*	1 pack	price on request			
A 2/10B2	*Acide molybdatophosphorique / Acido fosfomolíbdico*						
C 3.3 1219 2	spray-box of 330 ml						
+54 °C	R: 10						
04116	**Phosphomolybdic acid** cryst.	WG.	100 g	price on request			
	Acide molybdatophosphorique / Acido fosfomolíbdico	WG.	500 g	price on request			
	$H_3[P(Mo_3O_{10})_4] \cdot xH_2O$ M = (anhydrous) 1825,25 g/mol	*2813*					
	insoluble in water ..... 0,03 %						
	ammonium (NH_4) ..... 0,02 %						
	iron (Fe) ..... 0,01 %						
	heavy metals (as Pb) ..... 0,01 %						
	chloride (Cl) ..... 0,05 %						
	sulphate (SO_4) ..... 0,05 %						
04103	***meta*-Phosphoric acid** glassy lumps	PF.	250 g	38,25	32,50	30,60	28,7
C 8 1759 2	*Acide méta-phosphorique / Acido meta-fosfórico*	PF.	1 kg	128,—	108,80	102,40	98,5
	$(HPO_3)_n$ $M = (79,98)_n$ g/mol	BL.	10 kg	price on request			
	assay of $(HPO_3)_n$ ..... 40—44 %	*2810*					
	assay of $(NaPO_3)_n$ ..... 56—60 %						
	arsenic (As) ..... 0,0005 %						
	iron (Fe) ..... 0,01 %						
	heavy metals (as Pb) ..... 0,001 %						
	chloride (Cl) ..... 0,002 %						

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0417 8 1805 3	*ortho*-**Phosphoric acid** 85%, R. G., Reag. ACS, Reag. ISO, Ph. Eur. I *Acide ortho-phosphorique / Acido orto-fosfórico* H_3PO_4 *M* = 98,00 g/mol **1 L ≈ 1,71 kg** assay ..... min. 85% volatile acids (as CH_3COOH) ..... max. 0,001% arsenic (As) ..... max. 0,00005% lead (Pb) ..... max. 0,001% cadmium (Cd) ..... max. 0,0005% iron (Fe) ..... max. 0,001% potassium (K) ..... max. 0,005% copper (Cu) ..... max. 0,0005% manganese (Mn) ..... max. 0,0005% sodium (Na) ..... max. 0,05% nickel (Ni) ..... max. 0,0005% zinc (Zn) ..... max. 0,001% chloride (Cl) ..... max. 0,0002% nitrate (NO_3) ..... max. 0,0005% phosphite and hypophosphite (as H_3PO_3) max. 0,005% sulphate (SO_4) ..... max. 0,003% $KMnO_4$ reducing matters (as O) ..... max. 0,001% insoluble, calcium, magnesium and ammonium hydroxide precipitate ..... max. 0,005% R: 34 S: 26 disposal: 1	PF. PF. PF. FPF. FPF. *2810*	500 ml 1 L 2,5 L 50 kg 5x	16,25 29,75 63,— kg kg	13,80 25,30 52,30 5,65 5,35	13,— 23,20 49,15	12,50 22,— 47,25
7938 8 1805 3	*ortho*-**Phosphoric acid** min. 85% **MOS** PURANAL® particle class 1 *Acide ortho-phosphorique / Acido orto-fosfórico* H_3PO_4 *M* = 98,00 g/mol **1 L ≈ 1,71 kg** assay ..... min. 85% arsenic (As) ..... max. 0,5 ppm lead (Pb) ..... max. 5 ppm cadmium (Cd) ..... max. 5 ppm iron (Fe) ..... max. 10 ppm potassium (K) ..... max. 5 ppm copper (Cu) ..... max. 5 ppm magnesium (Mg) ..... max. 10 ppm manganese (Mn) ..... max. 5 ppm sodium (Na) ..... max. 250 ppm nickel (Ni) ..... max. 5 ppm zinc (Zn) ..... max. 10 ppm chloride (Cl) ..... max. 1 ppm nitrate (NO_3) ..... max. 5 ppm sulphate (SO_4) ..... max. 30 ppm $KMnO_4$ reducing matter (as O) ..... max. 10 ppm volatiles acids (as CH_3COOH) ..... max. 10 ppm R: 34 S: 26 disposal: 1	PF. *2810*	2,5 L	price on request			
7861 3 1805 3	*ortho*-**Phosphoric acid** min. 85% PURANAL® *Acide ortho-phosphorique / Acido orto-fosfórico* H_3PO_4 *M* = 98,00 g/mol **1 L ≈ 1,71 kg** assay ..... min. 85% arsenic (As) ..... max. 0,5 ppm lead (Pb) ..... max. 5 ppm cadmium (Ca) ..... max. 5 ppm iron (Fe) ..... max. 10 ppm potassium (K) ..... max. 5 ppm copper (Cu) ..... max. 5 ppm magnesium (Mg) ..... max. 10 ppm manganese (Mn) ..... max. 5 ppm sodium (Na)) ..... max. 250 ppm nickel (Ni) ..... max. 5 ppm zinc (Zn) ..... max. 10 ppm chloride (Cl) ..... max. 1 ppm nitrate (NO_3) ..... max. 5 ppm sulphate (SO_4) ..... max. 30 ppm matters reducing $KMnO_4$ (as O) ..... max. 10 ppm volatile acids (as CH_3COOH) ..... max. 10 ppm R: 34 S: 26 disposal: 1	PF. FPF. *2810*	2,5 L 50 kg	price on request price on request			

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04107 C 8 1805 3	***ortho*-Phosphoric acid** 85%, chem. pure Ph. Eur. I, B. P. 1973, Ph. Franc, IX, N. F. XIV *Acide ortho-phosphorique / Acido orto-fosfórico* H_3PO_4 $M = 98{,}00$ g/mol **1 L ≈ 1,71 kg** assay ..... 85% arsenic (As) ..... 0,0002% iron (Fe) ..... 0,0001% heavy metals (as Pb) ..... 0,001% chloride (Cl) ..... 0,003% sulphate (SO_4) ..... 0,01% R: 34 S: 26 disposal: 1	PF. 1 L PF. 2,5 L FPF. 50 kg FPF. 5x FPF. 10x *2810*	24,25 51,— kg kg kg	20,60 42,35 5,10 4,80 4,60	19,40 39,80	18,6 38,2
04102 C 8 1805 3	***ortho*-Phosphoric acid** chem. pure cryst. *Acide ortho-phosphorique / Acido orto-fosfórico* H_3PO_4 $M = 98{,}00$ g/mol assay ..... 98% iron (Fe) ..... 0,002% heavy metals (as Pb) ..... 0,002% chloride (Cl) ..... 0,001% nitrate (NO_3) ..... 0,001% sulphate (SO_4) ..... 0,002% phosphite and hypophosphite (as H_3PO_3) ..... 0,01% R: 34 S: 26 disposal: 1	PF. 500 g PF. 1 kg PF. 2,5 kg BLT. 25 kg *2810*	14,25 26,— 55,— price on request	12,10 22,10 45,65	11,40 20,80 42,90	10,9 20,- 41,2
	Phosphoric acid-dilauryl ester see Dilauryl phosphate						
	Phosphoric acids see Diphosphoric acid *meta*-Phosphoric acid *ortho*-Phosphoric acid Polyphosphoric acid Pyrophosphoric acid see Diphosphoric acid						
	Phosphoric acid-tritolylester see Tricresyl phosphate						
	Phosphoric anhydride see Phosphorus(V) oxide						
04114	**Phosphorous acid** cryst. *Acide phosphoreux / Acido fosforosc* H_2PHO_3 $M = 82{,}00$ g/mol assay ..... 99% *ortho*-phosphoric acid (H_3PO_4) ..... 1% iron (Fe) ..... 0,0005% heavy metals (as Pb) ..... 0,002% chloride (Cl) ..... 0,001% sulphate (SO_4) ..... 0,001% R: 34 S: 26 disposal: 1	PF. 250 g PF. 1 kg BLT. 50 kg *2813*	13,75 38,75 price on request	11,70 32,95	11,— 31,—	10,3 29,8
04115	**Phosphorous acid** 50% *Acide phosphoreux / Acido fosforoso* H_2PHO_3 $M = 82{,}00$ g/mol **1 L ≈ 1,27 kg** assay ..... 49,5—50,5% iron (Fe) ..... 0,001% heavy metals (as Pb) ..... 0,001% chloride (Cl) ..... 0,0005% R: 34 S: 26 disposal: 1	PF. 1 L FPF. 70 kg *2813*	32,25 price on request	27,40	25,80	24,8

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e-Number / D/ADR / GVE/GGVS / DG-CODE (GGVSee)		Type of package B.T.N.		Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
51 1/8 1 1325 2	**Phosphorus black** PROSYNTH® *Phosphore noir / Fósforo negro* P M = 30,97 g/mol assay ..... 99,5 % R: 11-16 S: 7-43A disposal: 29		PF. *2804*	25 g	400,–	340,–	320,–	300,–
12	**Phosphorus red** "NF" *Phosphore rouge / Fósforo rojo* P M = 30,97 g/mol assay ..... 97–98 % pH (10 g + 100 ml H_2O) ..... 9,5 iron (Fe) ..... 0,1 %		BTL. *2804*	50 kg	price on request			
14	**Phosphorus red** "NF" *Phosphore rouge / Fósforo rojo* in 10 kg bags P M = 30,97 g/mol assay ..... 97–98 % pH (10 g + 100 ml H_2O) ..... 9,5 iron (Fe) ..... 0,1 %		*2804*	1 pack	price on request			
13	**Phosphorus red** "NN" *Phosphore rouge / Fósforo rojo* in 10 kg bags P M = 30,97 g/mol assay ..... 97–98 % pH (10 g + 100 ml H_2O) ..... 9,5 iron (Fe) ..... 0,1 %		*2804*	1 pack	price on request			
04 1/8 1 1338 3	**Phosphorus red** *Phosphore rouge / Fósforo rojo* P M = 30,97 g/mol assay ..... 97–98 % pH (10 g + 100 ml H_2O) ..... 9,5 iron (Fe) ..... 0,1 % R: 11-16 S: 7-43A disposal: 29		BL. BL. BL. BLT. *2804*	250 g 500 g 1 kg 50 kg	14,25 22,75 42,75 price on request	12,10 19,35 36,35	11,40 18,20 34,20	10,70 17,50 32,90
02 2/1 2 1381 1	**Phosphorus yellow** sticks *Phosphore jaune / Fósforo amarillo* P M = 30,97 g/mol melting point ..... 44 °C R: 17-26/28-35 S: 5-26-28A-45 disposal: 29		PF. PF. *2804*	100 g 250 g	19,25 32,75	16,35 27,85	15,40 26,20	14,45 24,55
10 11B 1808 2	**Phosphorus(III) bromide** *Phosphore(III) bromure / Fósforo(III) bromuro* PBr_3 M = 270,69 g/mol **1 L ≈ 2,80 kg** assay ..... 99 % boiling range ..... 172–174 °C lead (Pb) ..... 0,0001 % iron (Fe) ..... 0,00005 % copper (Cu) ..... 0,00005 % nickel (Ni) ..... 0,0001 % R: 14-34-37 S: 26 disposal: 11		FL. FL. TS. *2814*	100 ml 500 ml 30 kg	18,– 74,– price on request	15,30 62,90	14,40 59,20	13,50 57,–

Code-Number
A) RID/ADR
B) GGVE/GGVS
C) IMDG-CODE (GGVSee)

		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96 (16 Bo
04603	**Phosphorus(III) chloride**	FL.	500 ml	14,—	11,90	11,20	10
A 8/11A	*Phosphore(III) chlorure / Fósforo(III) cloruro*	FL.	1 L	24,—	20,40	19,20	18
C 8 1809 2	PCl_3 M = 137,33 g/mol **1 L ≈ 1,57 kg**	STP.	40 kg	price on request			
	assay ..... abt. 98 %	F.	160 kg	price on request			
	boiling range ..... 74,5 – 76,8 °C	*2814*					
	lead (Pb) ..... 0,0001 %						
	iron (Fe) ..... 0,00005 %						
	copper (Cu) ..... 0,00005 %						
	nickel (Ni) ..... 0,0001 %						
	R: 34-37 S: 7/8-26 disposal: 11						
04602	**Phosphorus(V) chloride**	WG.	1 kg	19,50	16,60	15,60	15,
A 8/12	*Phosphore(V) chlorure / Fósforo(V) cloruro*	BLT.	100 kg	price on request			
C 8 1806 2	PCl_5 M = 208,24 g/mol	*2814*					
	assay ..... 99,5 %						
	lead (Pb) ..... 0,0001 %						
	iron (Fe) ..... 0,00005 %						
	copper (Cu) ..... 0,00005 %						
	nickel (Ni) ..... 0,0001 %						
	R: 34-37 S: 7/8-26 disposal: 11						
30419	**Phosphorus(V) oxide** R. G., Reag. ACS, Reag. Ph. Eur. I	PF.	250 g	11,—	9,35	8,80	8,
C 8 1807 2	*Phosphore(V) oxyde / Fósforo(V) óxido*	PF.	500 g	17,50	14,90	14,—	13,
	P_2O_5 M = 141,94 g/mol	PF.	1 kg	32,25	27,40	25,80	24
	assay ..... min. 98 %	BLT.	80 kg	price on request			
	insoluble in water ..... max. 0,02 %	*2810*					
	ammonium (NH_4) ..... max. 0,01 %						
	arsenic (As) ..... max. 0,005 %						
	iron (Fe) ..... max. 0,001 %						
	heavy metals (as Pb) ..... max. 0,01 %						
	chloride (Cl) ..... max. 0,001 %						
	reducing substances (as P_2O_3) ..... max. 0,02 %						
	R: 35 S: 22-26 disposal: 2						
30422	**Phosphorus(V) oxide** on carrier substance for desiccators	WG.	1 L	17,50	14,90	14,—	13,
C 8 1807 2	*Phosphore(V) oxyde / Fósforo(V) óxido*	*2810*					
	1 L ≈ 0,28 kg						
	R: 35 S: 22-26 disposal: 2						
04113	**Phosphorus(V) oxide**	PF.	500 g	11,—	9,35	8,80	8,
C 8 1807 2	*Phosphore(V) oxyde / Fósforo(V) óxido*	PF.	1 kg	20,—	17,—	16,—	15,
	P_2O_5 M = 141,94 g/mol	PF.	2,5 kg	42,25	35,05	32,95	31,
	assay ..... 98,5 %	BLT.	80 kg	kg	7,30		
	arsenic (As) ..... 0,005 %	BLT.	5x	kg	6,80		
	iron (Fe) ..... 0,005 %	*2810*					
	heavy metals (as Pb) ..... 0,02 %						
	chloride (Cl) ..... 0,005 %						
	R: 35 S: 22-26 disposal: 2						
04601	**Phosphorus oxide chloride**	FL.	500 ml	12,—	10,20	9,60	9,
A 8/11A	*Phosphore oxychlorure / Fósforo oxicloruro*	FL.	1 L	22,—	18,70	17,60	16,
C 8 1810 2	$POCl_3$ M = 153,33 g/mol **1 L ≈ 1,67 kg**	FL.	2,5 L	46,50	38,60	36,25	34,
	assay ..... 99 %	STP.	45 kg	price on request			
	boiling range ..... 106 – 108 °C	F.	190 kg	price on request			
	lead (Pb) ..... 0,0001 %	*2814*					
	iron (Fe) ..... 0,00005 %						
	copper (Cu) ..... 0,00005 %						
	nickel (Ni) ..... 0,0001 %						

Phosphorus pentachloride see Phosphorus(V) chloride

Phosphorus pentasulphide see Phosphorus(V) sulphide

Phosphorus pentoxide see Phosphorus(V) oxide

refer explanations

de-Number ID/ADR GVE/GGVS MDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	Phosphorus salt see Sodium ammonium hydrogen phosphate						
604	**Phosphorus(V) sulphide** *Phosphore(V) sulfure / Fósforo(V) sulfuro* P_2S_5 $M = 222{,}28$ g/mol assay of phosphorus (P) ..... 27% assay of sulphur (S) ..... 71% R: 11-20/22-29 disposal: 29	BL. BL. BLT. *2815*	500 g 1 kg 100 kg	10,50 18,75 price on request	8,95 15,95	8,40 15,—	8,10 14,45
144	**Phosphorus(V) sulphide pyridine complex** PROSYNTH® *Phosphore(V) sulfure pyridine complexe / Fósforo(V) sulfuro piridina complejo* $P_4S_{10} \cdot 4C_5H_5N$ $C_{20}H_{20}N_4P_4S_{10}$ $M = 760{,}95$ g/mol assay ..... 99% R: 11-20/22-29 disposal: 29	BL. *2815*	100 g	65,—	55,25	52,—	48,75
	Phosphorus sulphuric acid for the determination of nitrogen according to Kjeldahl see Sulphuric acid with phosphorus pentoxide						
	Phosphorus tribromide see Phosphorus(III) bromide						
	Phosphorus trichloride see Phosphorus(III) chloride						
	Phosphoryl chloride see Phosphorus oxide chloride						
	Phosphotungstic acid see Tungstophosphoric acid						
	Photographic Dyes The registered trade mark PINA® designates the following chemicals for the photographic industry. Sensitizers Desensitizers Stabilizers Antihalation dyes Filter dyes Colouring dyes and other auxiliaries. *Samples will be sent on request. When sending enquiries please refer to PINA® dyes.*						
990	**Phthalaldehydic acid** PROSYNTH® *Acide phtalaldéhydique / Acido ftalaldehídico* $OHCC_6H_4COOH$ $C_8H_6O_3$ $M = 150{,}13$ g/mol assay (alkalimetric) ..... 98% melting range ..... 94–96 °C	WG. *2916*	10 g	9,50	8,10	7,60	7,15
503	**Phthaldialdehyde** R. G. *Dialdéhyde phtalique / Ftaldialdehido* $C_8H_6O_2$ $M = 134{,}13$ g/mol	WG. *2911*	5 g	46,—	39,10	36,80	34,50
727	**Phthaldialdehyde** PROSYNTH® *Dialdéhyde phtalique / Ftaldialdehido* $C_6H_4(CHO)_2$ $C_8H_6O_2$ $M = 134{,}13$ g/mol assay ..... 99% melting range ..... 54–56 °C keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	WG. *2911*	10 g	40,50	34,45	32,40	30,40

COTAL® chemicals for vapour deposition techniques

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	9 (16 B
62696	***iso*-Phthaldialdehyde** PROSYNTH® *Dialdéhyd iso-phtalique / iso-Ftaldialdehido* $C_6H_4(CHO)_2$ $C_8H_6O_2$ $M = 134{,}13$ g/mol assay (GC) ..... 98% melting range ..... 86–89 °C	WG. *2911*	5 g	24,—	20,40	19,20	18
33533	**Phthalein purple** indicator for metal titration *Pourpre de phtaléine / Ftaleína púrpura* $C_{32}H_{32}N_2O_{12}$ $M = 636{,}61$ g/mol	FL. *2935*	1 g	32,25	27,40	25,80	24
33534	**Phthalic acid** R. G. *Acide phtalique / Acido ftálico* $C_6H_4(COOH)_2$ $C_8H_6O_4$ $M = 166{,}13$ g/mol assay (acidimetric) ..... min. 99,5% sulphated ash ..... max. 0,02% heavy metals (as Pb) ..... max. 0,001% chloride (Cl) ..... max. 0,001% sulphate (SO_4) ..... max. 0,002%	PF. *2915*	250 g	16,50	14,05	13,20	12
62697	***iso*-Phthalic acid** PROSYNTH® *Acide iso-phtalique / Acido iso-ftálico* $C_6H_4(COOH)_2$ $C_8H_6O_4$ $M = 166{,}13$ g/mol assay (alkalimetric) 99%	PF. *2915*	1 kg	17,50	14,90	14,—	13
	Phthalic acid-bis-3,3,5-trimethylhexylester see Dinonyl phthalate						
	Phthalic acid dinitrile see Phthalodinitrile						
	Phthalic acid monopotassium salt see Potassium hydrogen phthalate						
60258 C 8 2214 3	**Phthalic anhydride** PROSYNTH® *Anhydride phtalique / Anhídrido ftálico* $C_6H_4(CO)_2O$ $C_8H_4O_3$ $M = 148{,}12$ g/mol assay ..... 99% melting range ..... 130–132 °C R: 36/37/38 disposal: 21	PF. *2915*	1 kg	15,—	12,75	12,—	1
62991	**Phthalide** PROSYNTH® *Phtalide / Ftalida* $C_6H_4CH_2OCO$ $C_8H_6O_2$ $M = 134{,}13$ g/mol assay (GC) ..... 99% melting range ..... 72–74 °C	PF. *2935*	100 g	25,75	21,90	20,60	19
62992	**Phthalimide** PROSYNTH® *Phtalimide / Ftalimida* $C_6H_4CONHCO$ $C_8H_5NO_2$ $M = 147{,}13$ g/mol assay ..... 98% melting range ..... 232–235 °C	PF. *2926*	500 g	12,—	10,20	9,60	9
64801	**Phthalimide-potassium** PROSYNTH® *Phtalimide-potassium / Ftalimida-potasio* $C_6H_4CONKCO$ $C_8H_4KNO_2$ $M = 185{,}22$ g/mol assay 98%	WG. *2926*	100 g	23,—	19,55	18,40	17

refer explanations

ode-Number RID/ADR GGVE/GGVS IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
6030 6.1/21A 6.1 1935 1	**Phthalodinitrile** *Phtalodinitrile / Ftalodinitrilo* $C_6H_4(CN)_2$ $C_8H_4N_2$ $M = 128{,}13$ g/mol assay ..... 98% phthalimide 2%	PF. *2927*	1 kg	44,75	38,05	35,80	34,45
3586 6.1/21 A 6.1 2811 2	***iso*-Phthalodinitrile** PROSYNTH® *iso-Phtalodinitrile / iso-Ftalodinitrilo* $C_6H_4(CN)_2$ $C_8H_4N_2$ $M = 128{,}13$ g/mol assay (ex N) ..... 98% melting range ..... 159–161 °C R: 23/24/25 S: 44 disposal: 15	WG. *2927*	100 g	17,75	15,10	14,20	13,30
4803 8/22 8 1760 2	**Phthaloyl dichloride** PROSYNTH® *Phtaloyle dichlorure / Acido ftálico dicloruro* $C_6H_4(COCl)_2$ $C_8H_4Cl_2O_2$ $M = 203{,}02$ g/mol **1 L ≈ 1,41 kg** assay (ex Cl) ..... 97% boiling range (at 15 mbar) ..... 131–134 °C refractive index (n_D^{20}) ..... 1,568 R: 34 S: 26 disposal: 21	FL. FL. *2915*	250 ml 1 L	75,50 251,–	64,20 213,35	60,40 200,80	56,65 193,25
64648 8/12 8 1759 2	***iso*-Phthaloyl dichloride** PROSYNTH® *iso-Phtaloyle dichlorure / Acido iso-ftálico dicloruro* $C_6H_4(COCl)_2$ $C_8H_4Cl_2O_2$ $M = 203{,}02$ g/mol assay (ex Cl) ..... 98% melting range ..... 41–43 °C R: 34 S: 26 disposal: 21	WG. *2915*	100 g	31,75	27,–	25,40	23,80
39222	**Phytol** BIOSYNTH® *Phytol / Fitol* $C_{20}H_{40}O$ $M = 296{,}54$ g/mol **1 L ≈ 0,85 kg**	FL. *2904*	25 ml	57,50	48,90	46,–	43,15
60259 3.3 2313 2 +28 °C	**2-Picoline** PROSYNTH® *2-Picoline / 2-Picolina* $N{=}CHCH{=}CHCH{=}CCH_3$ C_6H_7N $M = 93{,}13$ g/mol **1 L ≈ 0,94 kg** assay (GC) ..... 99% boiling range ..... 127–129 °C refractive index (n_D^{20}) ..... 1,500 R: 10-20/21/22 disposal: 6	FL. *2935*	500 ml	18,–	15,30	14,40	13,85
62995 3.3 2313 2 +40 °C	**3-Picoline** PROSYNTH® *3-Picoline / 3-Picolina* $N{=}CHC(CH_3){=}CHCH{=}CH$ C_6H_7N $M = 93{,}13$ g/mol **1 L ≈ 0,96 kg** assay (GC) ..... 98% boiling range ..... 142–144 °C refractive index (n_D^{20}) ..... 1,504 R: 20/21/22 S: 28 disposal: 6	FL. *2935*	250 ml	17,50	14,90	14,–	13,15

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C) IMDG-CODE (GGVSee)

		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
62996	**4-Picoline** PROSYNTH®	FL.	500 ml	23,25	19,75	18,60	17,90
C 3.3 2313 2	*4-Picoline / 4-Picolina*	*2935*					
+40 °C	$N=CHCH=C(CH_3)CH=CH$						
	C_6H_7N M = 93,13 g/mol		1 L ≈ 0,96 kg				
	assay (GC) ..... 97 %						
	boiling range ..... 143–145 °C						
	refractive index (n_D^{20}) 1,504						
	R: 20/21/22 S: 28 disposal: 6						
	Picolinic acid see 2-Pyridinecarboxylic acid						
65088	**3-Picolylamine** PROSYNTH®	FL.	100 ml	34,50	29,35	27,60	25,90
A 8/35	*3-Picolylamine / 3-Picolilamina*	*2935*					
C 8 1719 2	$N=CHC(CH_2NH_2)=CHCH=CH$						
	$C_6H_8N_2$ M = 108,14 g/mol		1 L ≈ 1,07 kg				
	assay (GC) ..... 99 %						
	boiling range (at 1,3 mbar) ..... 72–74 °C						
	refractive index (n_D^{20}) 1,550						
33600	**Picric acid** R. G., Reag. Ph. Eur. I (with 0,5 ml H_2O/g)	PF.	100 g	20,50	17,45	16,40	15,40
C 4.1 1344 1	*Acide picrique / Acido pícrico*	PF.	500 g	60,50	51,45	48,40	46,60
	$(NO_2)_3C_6H_2OH$	*2907*					
	$C_6H_3N_3O_7$ M = 229,11 g/mol						
	(all data for water-free substance)						
	assay ..... min. 99,8 %						
	melting range ..... 120–122 °C						
	insoluble in water ..... max. 0,03 %						
	insoluble in benzene ..... max. 0,1 %						
	sulphated ash ..... max. 0,02 %						
	chloride (Cl) ..... max. 0,0005 %						
	sulphate (SO_4) ..... max. 0,005 %						
	R: 2-4-23/24/25 S: 28-35-37-44 disposal: 20						
27745	**Picric acid** B. P. 1973 App. IA (with 0,5 ml H_2O/g)	PF.	100 g	17,50	14,90	14,—	13,15
C 4.1 1344 1	*Acide picrique / Acido pícrico*	PF.	500 g	69,—	58,65	55,20	53,15
	$C_6H_2(OH)(NO_2)_3$	*2907*					
	$C_6H_3N_3O_7$ M = 229,11 g/mol						
	(all data for water-free substance)						
	assay ..... 99 %						
	melting range ..... 120–121 °C						
	insoluble in benzene ..... 0,05 %						
	residue on ignition ..... 0,02 %						
	chloride (Cl) ..... 0,0005 %						
	nitrate (NO_3) ..... 0,002 %						
	sulphate (SO_4) ..... 0,01 %						
	R: 2-4-23/24/25 S: 28-35-37-44 disposal: 20						
36011	**Picric acid solution** 1,2 % *Acide picrique en solution / Acido pícrico en solución*	FL.	500 ml	19,50	16,60	15,60	15,—
		FL.	1 L	31,—	26,35	24,80	23,85
		FL.	2,5 L	65,50	54,35	51,10	49,15
		2907					
	1 L ≈ 1,00 kg						
32953	**Picrocarmin solution** according to Weigert, for microscopy *Picrocarmine en solution / Picrocarmina en solución*	FL.	250 ml	13,25	11,25	10,60	9,95
		3819					
	1 L ≈ 1,00 kg						
33536	**Picrolonic acid** R. G.	WG.	5 g	63,—	53,55	50,40	47,25
A 6 1/21I	*Acide picrolonique / Acido picrolónico*	WG.	25 g	241,—	204,85	192,80	180,75
C 6.1 2811 2	$NO_2C_6H_4NN=C(CH_3)C(NO_2)=COH$	*2935*					
	$C_{10}H_8N_4O_5$ M = 264,20 g/mol						
	assay ..... min. 99 %						
	sulphated ash ..... max. 0,2 %						
	suitability for precipitation of metals ..... passes test						
	Picronitric acid see Picric acid						

refer explanations

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2997	**Pimelic acid** PROSYNTH® *Acide pimélique / Acido pimélico* $HOOC(CH_2)_5COOH$ $C_7H_{12}O_4$ $M = 160,17$ g/mol assay (alkalimetric) ..... 99% melting range ..... 103—105 °C	PF. *2915*	50 g	37,25	31,65	29,80	27,95
	Pinacoline see Methyl-*tert.*-butyl ketone						
	Pinacone (Pinacol) see 2,3-Dimethylbutanediol-(2,3)						
3728 3/3 3.3 2368 3 33 °C	**(+)-α-Pinene** PROSYNTH® *(+)-α-Pinène / (+)-α-Pinena* $C_{10}H_{16}$ $M = 136,24$ g/mol **1 L ≈ 0,86 kg** assay (GC) ..... 96% boiling range ..... 153—155 °C refractive index (n_D^{20}) ..... 1,466 optical rotation ($[\alpha]_D^{20}$) ..... +40° ± 2° R: 10 disposal: 6	FL. *2901*	1 L	43,75	37,20	35,—	33,70
3920 3/3 3.3 1993 2 33 °C	**(-)-α-Pinene** PROSYNTH® *(-)-α-Pinène / (-)-α-Pinena* $C_{10}H_{16}$ $M = 136,24$ g/mol **1 L ≈ 0,87 kg** assay (GC) ..... 91% optical rotation (α_D^{20}) ..... −43° R: 10 disposal: 6	FL. *2901*	500 ml	28,—	23,80	22,40	21,55
3921 3/3 3.3 1993 2 36 °C	**(-)-β-Pinene** PROSYNTH® *(-)-β-Pinène / (-)-β-Pinena* $C_{10}H_{16}$ $M = 136,24$ g/mol **1 L ≈ 0,86 kg** assay (GC) ..... 75% optical rotation (α_D^{20}) ..... −18° R: 10 disposal: 6	FL. *2901*	500 ml	21,50	18,30	17,20	16,55
	Pipecoline see 2-Methylpiperidine						
4131 69 °C	**Piperazine** anhydrous PROSYNTH® *Pipérazine / Piperacina* $NHCH_2CH_2NHCH_2CH_2$ $C_4H_{10}N_2$ $M = 86,14$ g/mol assay (GC) ..... 99% melting range ..... 108—111 °C R: 34 S: 26-36 disposal: 6	WG. *2935*	1 kg	75,50	64,20	60,40	58,15
3537 3/5 3.2 2401 2 3 °C	**Piperidine** R. G., Reag. Ph. Eur. I *Pipéridine / Piperidina* $CH_2(CH_2)_4NH$ $C_5H_{11}N$ $M = 85,15$ g/mol **1 L ≈ 0,86 kg** assay ..... min. 98% boiling range ..... 105—107 °C density (D_4^{20}) ..... 0,861—0,864 refractive index (n_D^{20}) ..... 1,4530—1,4550 non-volatile matter ..... max. 0,02% water (according to Karl Fischer) ..... max. 0,2% sulphated ash ..... max. 0,01% iron (Fe) ..... max. 0,0001% heavy metals (as Pb) ..... max. 0,0001% picoline ..... max. 0,1% pyridine ..... max. 0,3% R: 11-23/24-34 S: 16-26-27-44 disposal: 19	FL. FL. *2935*	100 ml 500 ml	20,25 75,—	17,20 63,75	16,20 60,—	15,20 57,75

HYDRANAL® a new Karl Fischer reagent

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
60260 A 3/5 C 3.2 2401 2 +3 °C	**Piperidine** PROSYNTH® *Pipéridine / Piperidina* $CH_2(CH_2)_4NH$ $C_5H_{11}N$ $M = 85{,}15$ g/mol **1 L ≈ 0,86 kg** assay (GC) ..... 98 % boiling range ..... 104 – 106 °C refractive index (n_D^{20}) ..... 1,453 R: 11-23/24-34 S: 16-26-27-44 disposal: 19	FL. *2935*	250 ml	22,–	18,70	17,60	16,5
64593	**1-Piperidinecarbaldehyde** PROSYNTH® *1-Pipéridinecarbaldéhyde / 1-Piperidincarbaldehido* $HCON(CH_2)_4CH_2$ $C_6H_{11}NO$ $M = 113{,}16$ g/mol **1 L ≈ 1,02 kg** assay (GC) ..... 98 % boiling range ..... 220 – 222 °C refractive index (n_D^{20}) 1,485	FL. *2935*	50 ml	58,50	49,75	46,80	43,9
63729	**4-Piperidinecarboxylic acid** PROSYNTH® *Acide pipéridinecarboxylique-(4) / Acido piperidincarboxílico-(4)* $CH_2CH_2NHCH_2CH_2CHCOOH$ $C_6H_{11}NO_2$ $M = 129{,}16$ g/mol assay ..... 97 %	WG. *2935*	25 g	16,50	14,05	13,20	12,4
62999	**Piperidinium chloride** PROSYNTH® *Pipéridine chlorhydrate / Piperidina clorhidrato* $NH(CH_2)_4CH_2 \cdot HCl$ $C_5H_{12}ClN$ $M = 121{,}61$ g/mol assay (ex Cl) ..... 98 % melting range ..... 242 – 245 °C R: 23/24/25-34 S: 26-44 disposal: 7	WG. *2935*	500 g	151,–	128,35	120,80	116,2
63000	**2-Piperidinoethanol** PROSYNTH® *2-Pipéridinoéthanol / 2-Piperidinoetanol* $CH_2(CH_2)_4NCH_2CH_2OH$ $C_7H_{15}NO$ $M = 129{,}20$ g/mol **1 L ≈ 1,01 kg** assay (ex N) ..... 98 % boiling range ..... 199 – 201 °C refractive index (n_D^{20}) 1,478	FL. *2935*	100 ml	26,25	22,30	21,–	19,7
	Piperidinol see 1-Hydroxypiperidine						
63001	**Piperine** PROSYNTH® *Pipérine / Piperina* $OCH_2OC_6H_3CH=CHCH=CHCON(CH_2)_4CH_2$ $C_{17}H_{19}NO_3$ $M = 285{,}34$ g/mol assay (GC) ..... 98 % melting range ..... 129 – 130 °C	WG. *2942*	10 g	37,–	31,45	29,60	27,7
	Piperinic acid piperide see Piperine						
	Piperonale see Heliotropin						
64806	**Piperonyl alcohol** PROSYNTH® *Alcool pipéronylique / Alcohol piperonílico* $OCH_2OC_6H_3CH_2OH$ $C_8H_8O_3$ $M = 152{,}15$ g/mol assay (GC) ..... 98 % melting range ..... 50 – 52 °C	WG. *2905*	100 g	50,50	42,95	40,40	37,9

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63003 A 8/35 C 8 1760 2	**Piperonylamine** PROSYNTH® *Pipéronylamine / Piperonilamina* $\underline{O}CH_2OC_6H_3CH_2NH_2$ $C_8H_9NO_2$ $M = 151{,}17$ g/mol **1 L ≈ 1,22 kg** assay (GC) ..... 98% boiling range (at 16 mbar) ..... 135–137 °C refractive index (n_D^{20}) 1,565	FL. *2922*	50 ml	61,50	52,30	49,20	46,15
35749	**Piperonyl butoxide** min. 99% PESTANAL® (3,4-Methylendioxy-6-propyl-benzyl-n-butyl-diethylene glycol ether) $C_{19}H_{30}O_5$ $M = 338{,}44$ g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	FL. *2910*	2 g	56,50	48,05	45,20	42,40
16535 A 3/5 C 3.2 1989 2 +-0 °C	**Pivalaldehyde** *Aldéhyde pivalique / Aldehido piválico* $(CH_3)_3CCHO$ $C_5H_{10}O$ $M = 86{,}13$ g/mol **1 L ≈ 0,77 kg** assay (GC) ..... 75% R: 11 S: 7-16 disposal: 19	FL. *2911*	100 ml	81,50	69,30	65,20	61,15
63005 A 8/21 C 8 1760 2	**Pivalic anhydride** PROSYNTH® *Anhydride pivalique / Anhídrido piválico* $[(CH_3)_3CCO]_2O$ $C_{10}H_{18}O_3$ $M = 186{,}25$ g/mol **1 L ≈ 0,92 kg** assay (GC) ..... 98% boiling range ..... 191–193 °C refractive index (n_D^{20}) 1,409	FL. *2914*	100 ml	43,75	37,20	35,–	32,80
63006 A 6.1/2C C 3.2 1992 2 +21 °C	**Pivalonitrile** PROSYNTH® *Pivalonitrile / Pivalonitrilo* $(CH_3)_3CCN$ C_5H_9N $M = 83{,}13$ g/mol **1 L ≈ 0,75 kg** assay (GC) ..... 98% boiling range ..... 104–106 °C refractive index (n_D^{20}) 1,377	FL. *2927*	25 ml	26,25	22,30	21,–	19,70
60396 A 8/22 C 8 2438 2 +19 °C	**Pivaloyl chloride** PROSYNTH® *Pivaloyle chlorure / Pivaloilo cloruro* $(CH_3)_3CCOCl$ C_5H_9ClO $M = 120{,}58$ g/mol **1 L ≈ 0,98 kg** assay (GC) ..... 98% boiling range ..... 105–107 °C refractive index (n_D^{20}) 1,412	FL. *2914*	100 ml	13,50	11,50	10,80	10,15
	Plaster of Paris see Calcium sulphate						
	Platinic acid potassium salt see Potassium hexachloroplatinate						
64153	**Platinum** (Platinum black) *Platine (Noir de platine) / Platino (Negro de platino)* Pt $M = 195{,}09$ g/mol assay 98%	WG. *7109*	1 g	price on request			
64154	*RCH* **Platinum catalyst 50/6** powder 5 wt.% Pt/activated carbon *Catalyseur RCH platine 50/6 / Catalizador de platino 50/6 RCH* assay of Pt ..... 5% granulation less than 32 µm ..... 80% specific surface area (BET) ..... 700–800 m^2/g pour weight ..... 0,28 g/ml	WG. *3819*	10 g	price on request			

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63007	***RCH* Platinum catalyst 100/6** powder 10 wt.% Pt/activated carbon *Catalyseur RCH platine 100/6 / Catalizador de platino RCH 100/6* assay of Pt ..... 10% particle size smaller than 32 µm ..... 80% specific surface area (BET) ..... 700-800 m^2/g pour weight ..... 0,28 g/ml	WG. *2849*	5 g	price on request			
12505	**Platinum catalyst fibre** 10 wt.% Pt/asbestos *Catalyseur de platine fibre / Catalizador de platino fibra* assay of Pt 10%	FL. FL. *3819*	1 g 10 g	price on request price on request			
63008	**Platinum(II) chloride** PROSYNTH® *Platine(II) chlorure / Platino(II) cloruro* package of 1 g $PtCl_2$ $M = 266,00$ g/mol assay 99%	*2849*	1 pack	price on request			
64809	**Platinum(IV) chloride** PROSYNTH® *Platine(IV) chlorure / Platino(IV) cloruro* $PtCl_4$ $M = 336,90$ g/mol assay 98%	FL. *2849*	1 g	price on request			
	Platinum(IV) chloride see also Chloroplatinic acid						
63009	**Platinum(IV) oxide** powder, 83 wt.% Pt, hydrogenation catalyst according to Adams *Platine(IV) oxyde / Platino(IV) óxido* PtO_2 $M = 227,09$ g/mol assay of Pt ..... 83% particle size smaller than 32 µm ..... 95% pour weight ..... 0,8 g/ml	A. *2849*	1 g	price on request			
33590	**Polyamide 6 D** for thin-layer chromatography *Polyamide 6 D / Poliamida 6 D* pour density ..... 0,25 g/ml	PF. PF. *3901*	250 g 1 kg	131,— 436,—	111,35 370,60	104,80 348,80	98,25 335,70
33591	**Polyamide 6 DF** for thin-layer chromatography, with luminous pigment addition for short-wave UV (254 nm) *Polyamide 6 DF / Poliamida 6 DF* pour density ..... 0,25 g/ml	PF. PF. *3901*	250 g 1 kg	117,— 390,—	99,45 331,50	93,60 312,—	87,75 300,30
33612	**Polyamide 6 S** for column chromatography *Polyamide 6 S / Poliamida 6 S* granulation ..... less than 160 µm pour density ..... 0,25 g/ml	WG. *3901*	250 g	62,50	53,15	50,—	46,90
39821	**Polyamide 6 HPLC** 0,005—0,020 mm (5—20 µm) for high-pressure-liquid chromatography *Polyamide 6 HPLC / Poliamida 6 HPLC*	WG. *3819*	10 g	60,—	51,—	48,—	45,—
39827	**Polyamide 6 HPLC** 0,020—0,032 mm (20—32 µm) for high-pressure-liquid chromatography *Polyamide 6 HPLC / Poliamida 6 HPLC*	WG. *3819*	10 g	60,—	51,—	48,—	45,—
	Polychrom® see Esculin						
63010	**Polyethylene glycol 200** PROSYNTH® *Polyéthylèneglycol 200 / Polietilenglicol 200* $HO(C_2H_4O)_nH$ 1 L ≈ 1,12 kg mean MM ..... 190—210 hydroxyl number ..... 533—589	FL. *3901*	1 L	23,50	20,—	18,80	18,10

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63011	**Polyethylene glycol 300** PROSYNTH® *Polyéthylèneglycol 300 / Polietilenglicol 300* $HO(C_2H_4O)_nH$ **1 L ≈ 1,12 kg** mean MM ..... 285—315 hydroxyl number ..... 356—392	FL. *3901*	1 L	23,50	20,—	18,80	18,10
63012	**Polyethylene glycol 400** PROSYNTH® *Polyéthylèneglycol 400 / Polietilenglicol 400* $HO(C_2H_4O)_nH$ **1 L ≈ 1,15 kg** mean MM ..... 380—420 hydroxyl number ..... 271—299	FL. *3901*	1 L	23,50	20,—	18,80	18,10
63013	**Polyethylene glycol 600** PROSYNTH® *Polyéthylèneglycol 600 / Polietilenglicol 600* $HO(C_2H_4O)_nH$ **1 L ≈ 1,09 kg** mean MM ..... 570—630 hydroxyl number ..... 178—197	FL. *3901*	1 L	26,25	22,30	21,—	20,20
63014	**Polyethylene glycol 1000** PROSYNTH® *Polyéthylèneglycol 1000 / Polietilenglicol 1000* $HO(C_2H_4O)_nH$ **1 L ≈ 1,14 kg** mean MM ..... 950—1050 melting range ..... 35—40 °C hydroxyl number ..... 107—118 °C	PF. *3404*	1 L	23,50	20,—	18,80	18,10
63015	**Polyethylene glycol 1540** PROSYNTH® *Polyéthylèneglycol 1540 / Polietilenglicol 1540* $HO(C_2H_4O)_nH$ **1 L ≈ 1,10 kg** mean MM ..... 1440—1640 melting range ..... 42—48 °C hydroxyl number ..... 70—80	PF. *3404*	1 kg	23,50	20,—	18,80	18,10
64810	**Polyethylene glycol 2000** PROSYNTH® *Polyéthylèneglycol 2000 / Polietilenglicol 2000* $HO(C_2H_4O)_nH$ mean MM ..... 1900—2200 hydroxyl number ..... 51—59 melting range ..... 48—52 °C	PF. *3404*	1 kg	23,50	20,—	18,80	18,10
63016	**Polyethylene glycol 4000** PROSYNTH® *Polyéthylèneglycol 4000 / Polietilenglicol 4000* $HO(C_2H_4O)_nH$ mean MM ..... 3500—4500 melting range ..... 53—58 °C hydroxyl number ..... 23—29	PF. *3404*	1 kg	23,50	20,—	18,80	18,10
63017	**Polyethylene glycol 6000** PROSYNTH® *Polyéthylèneglycol 6000 / Polietilenglicol 6000* $HO(C_2H_4O)_nH$ mean MM ..... 5000—7000 melting range ..... 55—60 °C hydroxyl number ..... 16—20	PF. *3404*	1 kg	23,50	20,—	18,80	18,10
64811	**Polyethylene glycol 10 000** PROSYNTH® *Polyéthylèneglycol 10 000 / Polietilenglicol 10 000* $HO(C_2H_4O)_nH$ mean MM ..... 8500—11500 hydroxyl number ..... 9,6—13 melting range ..... 55—60 °C	PF. *3404*	1 kg	23,50	20,—	18,80	18,10
	Polyethylene glycol see also Carbowax						
60500 30 °C	**Polyethylene glycol dimethyl ether 200** PROSYNTH® *Ether diméthylique de polyéthylèneglycol 200 / Eter dimetílico del polietilenglicol 200* **1 L ≈ 1,03 kg** mean MM ..... 220 refractive index (n_D^{20}) ..... 1,439 hydroxyl number 10	PF. PF. *3901*	50 ml 1 L	12,75 price on request	10,85	10,20	9,55

LUMILUX® phosphorescent and fluorescent pigments

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	Polyethylene glycol-mono-[p-(1,1,3,3-tetramethylbutyl)-phenyl]ether see Triton® X 305						
	Polyoxyethylene lauryl ether see Brij® 35						
	Polyoxymethylene see Paraformaldehyde						
	POLYPEHA® indicator paper see Indicator and reagent papers						
04101 C 8 1760 2	**Polyphosphoric acid** *Acide polyphosphorique / Acido polifosfórico* $H_{n+2}P_nO_{3n+1}$ assay (P_2O_5) ..... 84 % arsenic (As) ..... 0,0008 % lead (Pb) ..... 0,0001 % iron (Fe) ..... 0,002 % copper (Cu) ..... 0,0001 % R: 34 S: 26 disposal: 1	PF.	500 g	13,25	11,25	10,60	10,20
		PF.	1 kg	24,—	20,40	19,20	18,50
		PF.	2,5 kg	51,—	42,35	39,80	38,25
		FPD. 2810	50 kg	price on request			
64127	**Polypropylene glycol 1025** PROSYNTH® *Polypropylèneglycol 1025 / Polipropilenglicol 1025* $HOCH_2[CH(CH_3)OCH_2]_nCHOHCH_3$ 1 L ≈ 1,00 kg mean MM ..... 975—1075	FL. 3901	1 L	35,—	29,75	28,—	26,95
39645	**Polypropylene glycol 1025** for gas chromatography *Polypropylèneglycol 1025 / Polipropilenglicol 1025* $HOCH_2[CH(CH_3)OCH_2]nCHOHCH_3$ 1 L ≈ 1,00 kg mean MM ..... 975—1075 working temperature ..... to 150 °C	FL. 3901	50 ml	14,25	12,10	11,40	10,70
39646	**Polypropylene glycol 2025** for gas chromatography *Polypropylèneglycol 2025 / Polipropilenglicol 2025* $HOCH_2[CH(CH_3)OCH_2]nCHOHCH_3$ 1 L ≈ 0,92 kg mean MM ..... 1950—2100 working temperature ..... to 175 °C	FL. 3901	50 ml	14,25	12,10	11,40	10,70
39644	**Polypropylene glycol 425** for gas chromatography *Polypropylèneglycol 425 / Polipropilenglicol 425* $HOCH_2[CH(CH_3)OCH_2]nCHOHCH_3$ 1 L ≈ 1,02 kg mean MM ..... 400—450 working temperature ..... to 130 °C	FL. 3901	50 ml	14,25	12,10	11,40	10,70
09069	**Polystyrene-d_x** deuteration degree not less than 99 atom % D *Polystyrène-d_x / Poliestireno-d_x* $(C_6D_5CD=CD_2)_x$ $(C_8D_8)_x$ $M = (112{,}09)_x$ g/mol	A. 2851	5 g	562,—	477,70	449,60	421,50
63018	**Polyvinyl alcohol** PROSYNTH® *Alcool polyvinylique / Alcohol polivinílico* viscosity (4 % in H_2O at 20 °C) ..... 4—6 mPa s	PF. 3902	1 kg	35,50	30,20	28,40	27,35
	Polyvinylpyrrolidon see Kollidon® and Luviskol®-K. Please ask for the relevant list.						
56014	**POPOP** for scintillation [2,2'-p-Phenylenbis-(5-phenyloxazole)] $\underline{OC(C_6H_5)=CHN=C}C_6H_4\underline{C=NCH=C(C_6H_5)O}$ $C_{24}H_{16}N_2O_2$ $M = 364{,}40$ g/mol melting range ..... 241—243 °C	PF.	25 g	64,50	54,85	51,60	48,40
		PF.	100 g	219,—	186,15	175,20	164,25
		PF. 2935	1 kg	1656,—	1407,60	1324,80	1275,10
39542	**Porapak® N** 0,125—0,150 mm (100—120 mesh ASTM) for gas chromatography *Porapak® N / Porapak® N* package of 24 g	3819	1 pack	325,—	276,25	260,—	243,75

® = trade mark of Waters Assoc., Inc.

ode-Number RID/ADR GGVE/GGVS IMDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
9543	**Porapak® P** 0,125—0,150 mm (100—120 mesh ASTM) for gas chromatography *Porapak® P / Porapak® P* package of 24 g	3819	1 pack	325,—	276,25	260,—	243,75
9535	**Porapak® P** 0,150—0,180 mm (80—100 mesh ASTM) for gas chromatography package of 24 g working temperature ..... to 250 °C	3819	1 pack	325,—	276,25	260,—	243,75
9536	**Porapak® P-S** 0,150—0,180 mm (80—100 mesh ASTM) for gas chromatography package of 24 g working temperature ..... to 250 °C	3819	1 pack	325,—	276,25	260,—	243,75
9544	**Porapak® P-S** 0,125—0,150 mm (100—120 mesh ASTM) for gas chromatography *Porapak® P-S / Porapak® P-S* package of 24 g	3819	1 pack	325,—	276,25	260,—	243,75
9545	**Porapak® Q** 0,125—0,150 mm (100—120 mesh ASTM) for gas chromatography *Porapak® Q / Porapak® Q* package of 24 g	3819	1 pack	325,—	276,25	260,—	243,75
9537	**Porapak® Q** 0,150—0,180 mm (80—100 mesh ASTM) for gas chromatography package of 24 g working temperature ..... to 250 °C	3819	1 pack	325,—	276,25	260,—	243,75
9546	**Porapak® Q-S** 0,125—0,150 mm (100—120 mesh ASTM) for gas chromatography *Porapak® Q-S / Porapak® Q-S* package of 24 g	3819	1 pack	325,—	276,25	260,—	243,75
9538	**Porapak® Q-S** 0,150—0,180 mm (80—100 mesh ASTM) for gas chromatography package of 24 g working temperature ..... to 250 °C	3819	1 pack	325,—	276,25	260,—	243,75
9547	**Porapak® R** 0,125—0,150 mm (100—120 mesh ASTM) for gas chromatography *Porapak® R / Porapak® R* package of 24 g	3819	1 pack	325,—	276,25	260,—	243,75
9539	**Porapak® R** 0,150—0,180 mm (80—100 mesh ASTM) for gas chromatography package of 24 g working temperature ..... to 250 °C	3819	1 pack	325,—	276,25	260,—	243,75
9548	**Porapak® S** 0,125—0,150 mm (100—120 mesh ASTM) for gas chromatography *Porapak® S / Porapak® S* package of 24 g	3819	1 pack	325,—	276,25	260,—	243,75
9540	**Porapak® S** 0,150—0,180 mm (80—100 mesh ASTM) for gas chromatography package of 24 g working temperature ..... to 250 °C	3819	1 pack	325,—	276,25	260,—	243,75
9549	**Porapak® T** 0,125—0,150 mm (100—120 mesh ASTM) for gas chromatography *Porapak® T / Porapak® T* package of 24 g	3819	1 pack	325,—	276,25	260,—	243,75
9541	**Porapak® T** 0,150—0,180 mm (80—100 mesh ASTM) for gas chromatography package of 24 g working temperature ..... to 190 °C	3819	1 pack	325,—	276,25	260,—	243,75

Code-Number
A) RID/ADR
B) GGVE/GGVS
C) IMDG-CODE (GGVSee)

		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
39534	**Porapak® N** 0,150—0,180 mm (80—100 mesh ASTM) for gas chromatography ® = trade mark of the Waters Assoc., Inc. package of 24 g working temperature ..... to 200 °C	*3819*	1 pack	325,—	276,25	260,—	243,7
	Potash see Potassium carbonate						
12621 A 4.3/1A C 4.3 2257 2	**Potassium** cylindrical pieces (about 8 g) *Potassium / Potasio* K M = 39,10 g/mol assay ..... 98 % calcium (Ca) ..... 0,005 % iron (Fe) ..... 0,002 % sodium (Na) ..... 0,5 % heavy metals (as Pb) ..... 0,002 % chloride (Cl) ..... 0,01 % R: 14-15-34 S: 5A-8-43A disposal: 28	WG. WG. *2805*	100 g 500 g	20,— 82,—	17,— 69,70	16,— 65,60	15,- 63,1
38606	**0,100 g Potassium** FIXANAL® water-soluble standard for atom absorption *0,100 g Potassium / 0,100 g Potasio* ampoule	*3819*	1 pack	10,25	8,70	8,20	7,7
38655 A 3/3 C 3.3 1115 2 +25 °C	**0,100 g** *organo*-**Potassium** FIXANAL® petroleum ether-soluble standard for atom absorption *0,100 g organo-Potassium / 0,100 g organo-Potasio* ampoule R: 10	*3819*	1 pack	33,75	28,70	27,—	25,3
38562	**1,00 g Potassium** FIXANAL® watersoluble standard for atom absorption *1,00 g Potassium / 1,00 g Potasio* ampoule	*3819*	1 pack	10,25	8,70	8,20	7,7
38865	**10,00 g Potassium** FIXANAL® as Potassium chloride *10,00 g Potassium / 10,00 g Potasio* ampoule	*3819*	1 pack	18,75	15,95	15,—	14,0
32309	**Potassium acetate** R. G. *Potassium acétate / Potasio acetato* CH_3COOK $C_2H_3KO_2$ M = 98,14 g/mol assay ..... min. 99 % insoluble in water ..... max. 0,005 % pH (5 %, 20 °C) ..... 7—9 calcium (Ca) ..... max. 0,005 % iron (Fe) ..... max. 0,0005 % magnesium (Mg) ..... max. 0,001 % sodium (Na) ..... max. 0,1 % heavy metals (as Pb) ..... max. 0,0005 % chloride (Cl) ..... max. 0,002 % phosphate (PO_4) ..... max. 0,0005 % sulphate (SO_4) ..... max. 0,005 %	PF. PF. PF. FTP. *2914*	250 g 500 g 1 kg 50 kg	13,75 22,— 40,75 kg	11,70 18,70 34,65 22,—	11,— 17,60 32,60	10,3 16,9 31,4
25014	**Potassium acetate** chem. pure, DAC, B. P. 1973, U. S. P. XIX *Potassium acétate / Potasio acetato* CH_3COOK $C_2H_3KO_2$ M = 98,14 g/mol assay ..... 99,5 % loss on drying (150 °C) ..... 0,5 % pH (5 %, 20 °C) ..... 7,5—8,5 aluminium (Al) ..... 0,005 % arsenic (As) ..... 0,0001 % calcium (Ca) ..... 0,005 % iron (Fe) ..... 0,001 % magnesium (Mg) ..... 0,005 % sodium (Na) ..... 0,4 % heavy metals (as Pb) ..... 0,001 % chloride (Cl) ..... 0,001 % sulphate (SO_4) ..... 0,005 %	PF. PF. PF. S. S. *2914*	500 g 1 kg 2,5 kg 40 kg 5x	10,25 18,50 39,— kg kg	8,70 15,75 32,35 5,90 5,40	8,20 14,80 30,40	7,9 14,2 29,2

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de-Number RID/ADR GGVE/GGVS MDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
059	**Potassium acetate** powder for fabrication of penicillin *Potassium acétate / Potasio acetato* CH_3COOK $C_2H_3KO_2$ $M = 98{,}14$ g/mol	S. *2914*	25 kg	price on request			
063	**Potassium acetate** cryst., for fabrication of penicillin *Potassium acétate / Potasio acetato* CH_3COOK $C_2H_3KO_2$ $M = 98{,}14$ g/mol	PF. S. *2914*	1 kg 40 kg	price on request price on request			
017	**Potassium acetate** pure *Potassium acétate / Potasio acetato* CH_3COOK $C_2H_3KO_2$ $M = 98{,}14$ g/mol assay ..... 99% loss on drying (150 °C, 2 h) ..... 1% heavy metals (as Pb) ..... 0,005% chloride (Cl) ..... 0,005% sulphate (SO_4) 0,005%	PF. S. *2914*	1 kg 40 kg	17,25 price on request	14,65	13,80	13,30
	Potassium aluminium fluoride see Potassium hexafluoroaluminate						
625	**Potassium aluminium sulphate** calcined pure powder DAB 6 *Potassium-aluminium sulfate / Potasio y aluminio sulfato* $KAl(SO_4)_2$ $M = 258{,}21$ g/mol	PF. PF. S. *2838*	1 kg 5 kg 50 kg	17,50 65,50 price on request	14,90 54,35	14,— 51,10	13,50 49,15
242	**Potassium aluminium sulphate-12-hydrate** R. G., Reag. ACS *Potassium-aluminium sulfate-12-hydrate / Potasio y aluminio sulfato-12-hidrato* $KAl(SO_4)_2 \cdot 12H_2O$ $M = 474{,}39$ g/mol assay ..... min. 99% insoluble in water ..... max. 0,005% ammonium (NH_4) ..... max. 0,005% arsenic (As) ..... max. 0,0002% iron (Fe) ..... max. 0,0005% sodium (Na) ..... max. 0,02% heavy metals (as Pb) ..... max. 0,001% chloride (Cl) ..... max. 0,0005%	PF. PF. *2838*	500 g 1 kg	11,75 21,50	10,— 18,30	9,40 17,20	9,05 16,55
623	**Potassium aluminium sulphate-12-hydrate** chem. pure crystalline powder Ph. Eur. I, B. P. 1973, Ph. Franç. IX *Potassium-aluminium sulfate-12-hydrate / Potasio y aluminio sulfato-12-hidrato* $KAl(SO_4)_2 \cdot 12H_2O$ $M = 474{,}39$ g/mol assay ..... 99,5% pH (10%, 20 °C) ..... 3,0—3,5 ammonium (NH_4) ..... 0,05% arsenic (As) ..... 0,0002% iron (Fe) ..... 0,005% heavy metals (as Pb) ..... 0,001% chloride (Cl) 0,005%	PF. PF. S. *2838*	1 kg 5 kg 50 kg	19,50 72,50 price on request	16,60 60,20	15,60 56,55	15,— 54,40
	Potassium antimonate see Potassium hexahydroxoantimonate(V)						
127 .1/75 .1 1551 3	**Potassium antimony tartrate** pure DAB 6 *Potassium-antimoine tartrate / Potasio y antimonio tartrato* $C_4H_4KO_7Sb \cdot \frac{1}{2}H_2O$ $M = 333{,}93$ g/mol assay ..... 99,8% arsenic (As) ..... 0,0005% R: 20/22 S: 22 disposal: 26	PF. PF. *2916*	250 g 1 kg	price on request price on request			

PANPEHA® universal indicator paper in strips

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
11126 A 6.1/75 C 6.1 1551 3	**Potassium antimony tartrate** pure powder DAB 6 *Potassium-antimoine tartrate / Potasio y antimonio tartrato* $C_4H_4KO_7Sb \cdot \frac{1}{2}H_2O$ *M* = 333,93 g/mol assay ..... 99,8% arsenic (As) ..... 0,0005% R: 20/22 S: 22 disposal: 26	PF. PF. *2916*	250 g 1 kg	price on request price on request			
	Potassium biborate see Potassium tetraborate						
	Potassium bicarbonate see Potassium hydrogen carbonate						
	Potassium bichromate see Potassium dichromate						
	Potassium bifluoride see Potassium hydrogen fluoride						
	Potassium biiodate see Potassium hydrogen diiodate						
	Potassium biphosphate see Potassium dihydrogen phosphate						
	Potassium biphthalate see Potassium hydrogen phthalate						
	Potassium bisulphate see Potassium hydrogen sulphate						
	Potassium bisulphite (meta) see Potassium disulphite						
	Potassium bitartrate see Potassium hydrogen tartrate						
	Potassium borate (meta) see Potassium metaborate						
	Potassium borofluoride see Potassium fluoroborate						
62712 A 4.3/2B C 4.3 1870 1	**Potassium borohydride** PROSYNTH® *Potassium borohydrure / Potasio borohidruro* BH_4K *M* = 53,94 g/mol assay ..... 98% R: 15 S: 7/8-24/25-43A disposal: 28	PF. *2857*	100 g	56,—	47,60	44,80	42,–
30205 A 5.1 C 5.1 1484 2	**Potassium bromate** R. G., Reag. ACS, Reag. Ph. Eur. I *Potassium bromate / Potasio bromato* $KBrO_3$ *M* = 167,00 g/mol assay ..... min. 99,5% insoluble in water ..... max. 0,005% loss on drying (105 °C) ..... max. 0,1% pH (5%, 20 °C) ..... 5—9 free acid (as $HBrO_3$) ..... max. 0,005% free alkali (as KOH) ..... max. 0,003% iron (Fe) ..... max. 0,0005% sodium (Na) ..... max. 0,01% heavy metals (as Pb) ..... max. 0,0005% bromide (Br) ..... max. 0,05% sulphate (SO_4) ..... max. 0,005% total nitrogen (N) ..... max. 0,001% R: 9 S: 24/25-27 disposal: 16	PF. PF. *2832*	100 g 500 g	10,50 32,75	8,95 27,85	8,40 26,20	7,– 25,–
02108 A 5.1 C 5.1 1484 2	**Potassium bromate** pure *Potassium bromate / Potasio bromato* $KBrO_3$ *M* = 167,00 g/mol assay ..... 99,8% iron (Fe) ..... 0,002% heavy metals (as Pb) ..... 0,002% bromide (Br) ..... 0,02% sulphate (SO_4) ..... 0,005% R: 9 S: 24/25-27 disposal: 16	PF. PF. BLT. *2832*	500 g 1 kg 50 kg	18,50 33,— price on request	15,75 28,05	14,80 26,40	14,– 25,–

refer explanations

de-Number ID/ADR GVE/GGVS MDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
080	**1/60 mol Potassium bromate** FIXANAL® 2,784 g $KBrO_3$ for 1 L 0,1 N solution *1/60 mol Potassium bromate / 1/60 mol Potasio bromato* ampoule	*3819*	1 pack	8,75	7,45	7,—	6,55
206	**Potassium bromide** R. G., Reag. ACS, Reag. Ph. Eur. I *Potassium bromure / Potasio bromuro* KBr M = 119,00 g/mol assay ..... min. 99,5% insoluble in water ..... max. 0,005% loss on drying (105 °C) ..... max. 0,5% pH (5%, 20 °C) ..... 5—8 barium (Ba) ..... max. 0,002% calcium (Ca) ..... max. 0,001% iron (Fe) ..... max. 0,0005% magnesium (Mg) ..... max. 0,001% sodium (Na) ..... max. 0,02% heavy metals (as Pb) ..... max. 0,0005% bromate (BrO_3) ..... max. 0,001% chloride (Cl) ..... max. 0,01% iodide (I) ..... max. 0,001% sulphate (SO_4) ..... max. 0,005% total nitrogen (N) ..... max. 0,001%	PF. PF. PF. FTP. *2830*	250 g 500 g 1 kg 50 kg	11,25 17,25 31,50 kg	9,55 14,65 26,80 15,50	9,— 13,80 25,20	8,45 13,30 24,25
919	**Potassium bromide** SPECTRANAL® *Potassium bromure / Potasio bromuro* KBr M = 119,00 g/mol suitability for spectroscopy ..... passes test	WG. WG. *2830*	100 g 1 kg	28,50 207,—	24,25 175,95	22,80 165,60	21,40 159,40
112	**Potassium bromide** chem. pure crystalline powder Ph. Eur. I, B. P. 1973, Ph. Franç. IX, N. F. XII *Potassium bromure / Potasio bromuro* KBr M = 119,00 g/mol assay (dried substance) ..... 99,5% loss on drying (130 °C) ..... 0,5% free alkali (as KOH) ..... 0,01% ammonium (NH_4) ..... 0,0005% arsenic (As) ..... 0,0001% barium (Ba) ..... passes test calcium (Ca) ..... 0,01% iron (Fe) ..... 0,001% magnesium (Mg) ..... 0,001% sodium (Na) ..... 0,15% heavy metals (as Pb) ..... 0,0005% bromate (BrO_3) ..... 0,001% chloride (Cl) ..... 0,2% iodide (I) ..... 0,01% sulphate (SO_4) 0,005%	PF. PF. S. *2830*	1 kg 5 kg 50 kg	20,— 75,50 price on request	17,—	16,—	15,40 56,65
110	**Potassium bromide** chem. pure cryst. Ph. Eur. I, B. P. 1973, Ph. Franç. IX, N. F. XII *Potassium bromure / Potasio bromuro* KBr M = 119,00 g/mol assay (dried substance) ..... 99,5% loss on drying (130 °C) ..... 0,5% free alkali (as KOH) ..... 0,01% ammonium (NH_4) ..... 0,0005% arsenic (As) ..... 0,0001% barium (Ba) ..... passes test calcium (Ca) ..... 0,01% iron (Fe) ..... 0,001% magnesium (Mg) ..... 0,001% sodium (Na) ..... 0,15% heavy metals (as Pb) ..... 0,0005% bromate (BrO_3) ..... 0,001% chloride (Cl) ..... 0,2% iodide (I) ..... 0,01% sulphate (SO_4) 0,005%	PF. PF. PF. S. *2830*	500 g 1 kg 5 kg 50 kg	11,25 19,50 73,50 kg	9,55 16,60 61,— 7,30	9,— 15,60 57,35	8,65 15,— 55,15
190	**0,1 mol Potassium bromide** FIXANAL® 11,901 g KBr for 1 L 0,1 N solution *0,1 mol Potassium bromure / 0,1 mol Potasio bromuro* ampoule	*3819*	1 pack	10,25	8,70	8,20	7,70

PEHANAL® universal indicator paper in rolls

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
64655 A - B 4.1/12A C 4.1 1325 2	**Potassium** *tert.*-**butylate** PROSYNTH® *Potassium tert.-butylate / Potasio terc.-butilato* $(CH_3)_3COK$ C_4H_9KO $M = 112{,}21$ g/mol assay 98%	BL. *2945*	100 g	22,—	18,70	17,60	16,8
31245	**Potassium carbonate** R. G. *Potassium carbonate / Potasio carbonato* K_2CO_3 $M = 138{,}21$ g/mol assay ..... min. 99% insoluble in water ..... max. 0,005% loss on ignition (600 °C) ..... max. 1,0% aluminium (Al) ..... max. 0,001% arsenic (As) ..... max. 0,0001% calcium (Ca) ..... max. 0,002% iron (Fe) ..... max. 0,0005% magnesium (Mg) ..... max. 0,001% sodium (Na) ..... max. 0,05% heavy metals (as Pb) ..... max. 0,001% chloride (Cl) ..... max. 0,003% phosphate (PO_4) ..... max. 0,002% silicate (SiO_2) ..... max. 0,005% sulphate, sulphite, thiosulphate and sulphide (as SO_4) ..... max. 0,005% nitrogen compounds (N) ..... max. 0,001%	PF. PF. PF. FTP. *2842*	500 g 1 kg 5 kg 50 kg	16,25 27,— 113,50 kg	13,80 22,95 94,20 11,35	13,— 21,60 88,55	12,8 20,8 85,1
12611	**Potassium carbonate** pure granulated DAB 6 *Potassium carbonate / Potasio carbonato* K_2CO_3 $M = 138{,}21$ g/mol assay ..... 99% arsenic (As) ..... 0,0001% iron (Fe) ..... 0,001% sodium (Na) ..... 0,05% heavy metals (as Pb) ..... 0,001% chloride (Cl) ..... 0,004% sulphate (SO_4) 0,01%	PF. PF. S. *2842*	1 kg 5 kg 50 kg	15,75 57,— price on request	13,40 47,30	12,60 44,45	12,1 42,7
12609	**Potassium carbonate** purified powder 98—100% *Potassium carbonate / Potasio carbonato* K_2CO_3 $M = 138{,}21$ g/mol assay ..... 98,5% arsenic (As) ..... 0,0002% iron (Fe) ..... 0,001% sodium (Na) ..... 0,5% heavy metals (as Pb) ..... 0,001% chloride (Cl) ..... 0,005% sulphate (SO_4) 0,01%	PF. PF. S. *2842*	1 kg 5 kg 50 kg	13,50 50,— price on request	11,50 41,50	10,80 39,—	10,4 37,5
31262	**Potassium carbonate—sodium carbonate** R. G., powder *Potassium carbonate—sodium carbonate / Potasio carbonato—sodio carbonato* K_2CO_3/Na_2CO_3 insoluble in water ..... max. 0,005% aluminium (Al) ..... max. 0,002% arsenic (As) ..... max. 0,0001% calcium (Ca) ..... max. 0,005% iron (Fe) ..... max. 0,0005% magnesium (Mg) ..... max. 0,001% heavy metals (as Pb) ..... max. 0,001% chloride (Cl) ..... max. 0,002% phosphate (PO_4) ..... max. 0,002% silicate (SiO_2) ..... max. 0,005% sulphur compounds (as SO_4) ..... max. 0,005% total nitrogen (N) ..... max. 0,001%	PF. PF. PF. FTP. *3819*	250 g 1 kg 5 kg 50 kg	10,75 27,— 104,— kg	9,15 22,95 86,30 11,50	8,60 21,60 81,10	8,0 20,8 78,-

refer explanations

de-Number / RID/ADR / GGVE/GGVS / MDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
247 .1/4A .1 1485 2	**Potassium chlorate** R. G., Reag. ACS, Reag. Ph. Eur. I *Potassium chlorate / Potasio clorato* $KClO_3$ $M = 122{,}55$ g/mol assay ..... min. 99 % insoluble in water ..... max. 0,005 % arsenic (As) ..... max. 0,00005 % calcium (Ca) ..... max. 0,002 % iron (Fe) ..... max. 0,0003 % magnesium (Mg) ..... max. 0,001 % sodium (Na) ..... max. 0,01 % heavy metals (as Pb) ..... max. 0,0005 % bromate (BrO_3) ..... max. 0,015 % chloride (Cl) ..... max. 0,001 % sulphate (SO_4) ..... max. 0,002 % total nitrogen (N) ..... max. 0,0005 % R: 9-20/22 S: 2-13-16-27 disposal: 16	PF. PF. BLT. *2832*	500 g 1 kg 50 kg	14,— 25,25 kg	11,90 21,45 11,—	11,20 20,20	10,80 19,45
634 .1/4A .1 1485 2	**Potassium chlorate** chem. pure cryst. DAB 6, B. P. C. 1973, N. F. X *Potassium chlorate / Potasio clorato* $KClO_3$ $M = 122{,}55$ g/mol assay ..... 99,5 % arsenic (As) ..... 0,0001 % iron (Fe) ..... 0,002 % heavy metals (as Pb) ..... 0,001 % chloride (Cl) ..... 0,002 % sulphate (SO_4) ..... 0,01 % total nitrogen (N) ..... 0,002 % R: 9-20/22 S: 2-13-16-27 disposal: 16	PF. PF. PF. BLT. *2832*	500 g 1 kg 5 kg 50 kg	10,75 18,75 70,— kg	9,15 15,95 58,10 6,10	8,60 15,— 54,60	8,30 14,45 52,50
635 .1/4A .1 1485 2	**Potassium chlorate** purified powder *Potassium chlorate / Potasio clorato* $KClO_3$ $M = 122{,}55$ g/mol assay ..... 98,5 % iron (Fe) ..... 0,005 % heavy metals (as Pb) ..... 0,005 % chloride (Cl) ..... 0,05 % sulphate (SO_4) ..... 0,01 % R: 9-20/22 S: 2-13-16-27 disposal: 16	PF. PF. BLT. *2832*	1 kg 5 kg 100 kg	16,50 62,—	14,05 51,45 price on request	13,20 48,35	12,70 46,50
248	**Potassium chloride** R. G., Reag. ISO, Reag. Ph. Eur. I *Potassium chlorure / Potasio cloruro* KCl $M = 74{,}55$ g/mol assay ..... min. 99,5 % insoluble in water ..... max. 0,005 % loss on drying (130 °C) ..... max. 0,2 % pH (5 %, 20 °C) ..... 5—8 barium (Ba) ..... max. 0,001 % calcium (Ca) ..... max. 0,001 % iron (Fe) ..... max. 0,0002 % magnesium (Mg) ..... max. 0,0005 % sodium (Na) ..... max. 0,02 % heavy metals (as Pb) ..... max. 0,0005 % bromide (Br) ..... max. 0,01 % iodide (I) ..... max. 0,002 % phosphate (PO_4) ..... max. 0,0005 % sulphate (SO_4) ..... max. 0,002 % total nitrogen (N) ..... max. 0,001 %	PF. PF. PF. FTP. *3104*	500 g 1 kg 5 kg 50 kg	11,50 16,50 65,50 kg	9,80 14,05 54,35 8,75	9,20 13,20 51,10	8,85 12,70 49,15

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)	Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
31249 **Potassium chloride** R. G. (max. 0,005% Br) *Potassium chlorure / Potasio cloruro*	PF.	250 g	11,75	10,—	9,40	8,8
	PF.	1 kg	30,75	26,15	24,60	23,7
	3104					
KCl M = 74,55 g/mol assay ..... min. 99,5% loss on drying (130 °C) ..... max. 0,2% free acid (as HCl) ..... max. 0,003% barium (Ba) ..... max. 0,001% calcium (Ca) ..... max. 0,001% iron (Fe) ..... max. 0,0002% magnesium (Mg) ..... max. 0,0005% sodium (Na) ..... max. 0,02% heavy metals (as Pb) ..... max. 0,0005% bromide (Br) ..... max. 0,005% phosphate (PO_4) ..... max. 0,0005% sulphate (SO_4) ..... max. 0,003% total nitrogen (N) ..... max. 0,001%						
12636 ○ **Potassium chloride** chem. pure cryst. Ph. Eur. I, B. P. 1973, Ph. Franç. IX, U. S. P. XIX, Ph. Nord 1963 *Potassium chlorure / Potasio cloruro*	PF.	1 kg	12,—	10,20	9,60	9,2
	PF.	5 kg	37,75	31,35	29,45	28,3
	S.	50 kg	kg	2,70		
	3104					
KCl M = 74,55 g/mol assay ..... 99,8% loss on drying (130 °C, 2 h) ..... 0,5% free acid (as HCl) ..... 0,003% arsenic (As) ..... 0,00005% free alkali (as KOH) ..... 0,005% barium (Ba) ..... passes test calcium (Ca) ..... 0,002% iron (Fe) ..... 0,001% magnesium (Mg) ..... 0,005% sodium (Na) ..... 0,05% heavy metals (as Pb) ..... 0,0005% bromide (Br) ..... 0,1% iodide (I) ..... passes test sulphate (SO_4) 0,01%						
12637 **Potassium chloride** chem. pure powder Ph. Eur. I, B. P. 1973, Ph. Franç. IX, U. S. P. XIX, Ph. Nord 1963 *Potassium chlorure / Potasio cloruro*	PF.	1 kg	13,50	11,50	10,80	10,4
	PF.	5 kg	49,50	41,10	38,60	37,1
	S.	50 kg	price on request			
	3104					
KCl M = 74,55 g/mol assay ..... 99,8% loss on drying (130 °C, 2 h) ..... 0,5% free acid (as HCl) ..... 0,003% free alkali (as KOH) ..... 0,005% arsenic (As) ..... 0,00005% barium (Ba) ..... passes test calcium (Ca) ..... 0,002% iron (Fe) ..... 0,001% magnesium (Mg) ..... 0,005% sodium (Na) ..... 0,05% heavy metals (as Pb) ..... 0,0005% bromide (Br) ..... 0,1% iodide (I) ..... passes test sulphate (SO_4) 0,01%						
31250 **Potassium chromate** R. G., Reag. ACS, Reag. Ph. Eur. I *Potassium chromate / Potasio cromato*	PF.	250 g	11,50	9,80	9,20	8,6
	PF.	500 g	20,25	17,20	16,20	15,6
	PF.	1 kg	37,25	31,65	29,80	28,7
	2847					
K_2CrO_4 M = 194,19 g/mol assay ..... min. 99,5% insoluble in water ..... max. 0,005% pH (5%, 20 °C) ..... 8,6–9,8 calcium (Ca) ..... max. 0,005% iron (Fe) ..... max. 0,002% sodium (Na) ..... max. 0,02% chloride (Cl) ..... max. 0,001% sulphate (SO_4) ..... max. 0,005						
R: 36/37/38 S: 22-28 disposal: 16						

refer explanations

de-Number RID/ADR GGVE/GGVS MDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
249	**Potassium chromate** chem. pure Erg. B. 6 *Potassium chromate / Potasio cromato* K_2CrO_4 *M* = 194,19 g/mol assay ..... 99% pH (5%, 20 °C) ..... 8,5–10,0 calcium (Ca) ..... 0,01% chloride (Cl) ..... 0,005% sulphate (SO_4) ..... 0,01% R: 36/37/38 S: 22-28 disposal: 16	PF. PF. PF. S. *2847*	500 g 1 kg 5 kg 50 kg	13,75 25,– 104,50 price on request	11,70 21,25 86,75	11,– 20,– 81,50	10,60 19,25 78,40
2250	**Potassium chromate** technical *Potassium chromate / Potasio cromato* K_2CrO_4 *M* = 194,19 g/mol assay ..... 98% pH (5%, 20 °C) ..... 8,5–10,0 chloride (Cl) ..... 0,05% sulphate (SO_4) ..... 0,2% R: 36/37/38 S: 22-28 disposal: 16	PF. S. *2847*	5 kg 50 kg	87,50 price on request	72,65	68,25	65,65
5157	**Potassium chromate solution** $^1/_{30}$ **mol/l** 0,1 N volumetric solution *Potassium chromate en solution* $^1/_{30}$ *mol/l / Potasio cromato en solución* $^1/_{30}$ *mol/l* **1 L ≈ 1,00 kg**	FL. *3819*	1 L	16,75	14,25	13,40	12,90
1246	**Potassium chromium sulphate-12-hydrate** R. G., Reag. ACS *Potassium-chrome sulfate-12-hydrate / Potasio y cromo sulfato-12-hidrato* $KCr(SO_4)_2 \cdot 12H_2O$ *M* = 499,40 g/mol assay ..... min. 99% insoluble in water ..... max. 0,01% aluminium (Al) ..... max. 0,02% ammonium (NH_4) ..... max. 0,01% iron (Fe) ..... max. 0,01% heavy metals (as Pb) ..... max. 0,01% chloride (Cl) ..... max. 0,002%	PF. PF. *2838*	250 g 1 kg	20,– 58,–	17,– 49,30	16,– 46,40	15,– 44,65
2252	**Potassium chromium sulphate-12-hydrate** chem. pure *Potassium-chrome sulfate-12-hydrate / Potasio y cromo sulfato-12-hidrato* $KCr(SO_4)_2 \cdot 12H_2O$ *M* = 499,40 g/mol assay ..... 98% insoluble in water ..... 0,02% iron (Fe) ..... 0,03% heavy metals (as Pb) ..... 0,01% chloride (Cl) 0,005%	PF. PF. S. *2838*	1 kg 5 kg 50 kg	13,75 51,– price on request	11,70 42,35	11,– 39,80	10,60 38,25
5107	**Potassium citrate** pure Ph. Eur. I, B. P. 1973, Ph. Franç. IX *Potassium citrate / Potasio citrato* $HOC(COOK)(CH_2COOK)_2 \cdot H_2O$ $C_6H_5K_3O_7 \cdot H_2O$ *M* = 324,41 g/mol assay ..... 99,5% pH (5%, 20 °C) ..... 7–9 arsenic (As) ..... 0,0001% iron (Fe) ..... 0,0005% sodium (Na) ..... 0,3% heavy metals (as Pb) ..... 0,0005% chloride (Cl) ..... 0,001% oxalate (C_2O_4) ..... 0,02% sulphate (SO_4) 0,002%	PF. S. *2916*	1 kg 50 kg	21,50 price on request	18,30	17,20	16,55
?713 *3.1/31A* *3.1 2811 2*	**Potassium cyanate** PROSYNTH® *Potassium cyanate / Potasio cianato* KOCN *M* = 81,12 g/mol assay (ex N) 98%	PF. *2844*	1 kg	24,75	21,05	19,80	19,05

PINA® photo dyes and photo chemicals

Code-Number
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C) IMDG-CODE (GGVSee)

		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxe
31252	**Potassium cyanide** R. G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I	PF.	100 g	12,—	10,20	9,60	9,-
A 6.1/31A	*Potassium cyanure / Potasio cianuro*	PF.	250 g	21,75	18,50	17,40	16,3
C 6.1 1680 1		PF.	1 kg	68,—	57,80	54,40	52,3
		2843					

KCN $M = 65{,}12$ g/mol

assay	min. 97%
lead (Pb)	max. 0,0002%
iron (Fe)	max. 0,005%
sodium (Na)	max. 0,3%
chloride (Cl)	max. 0,02%
phosphate (PO_4)	max. 0,005%
sulphate (SO_4)	max. 0,005%
sulphide (S)	max. 0,0005%
thiocyanate (SCN)	max. 0,01%

R: 26/27/28-32 S: 1/2-7-28-29-45
disposal: 22

11812	**Potassium cyanide** chem. pure	PF.	250 g	16,50	14,05	13,20	12,4
A 6.1/31A	*Potassium cyanure / Potasio cianuro*	PF.	1 kg	56,—	47,60	44,80	43,1
C 6.1 1680 1		BLT.	50 kg	price on request			
		2843					

KCN $M = 65{,}12$ g/mol

assay	97%
lead (Pb)	0,0005%
iron (Fe)	0,005%
sodium (Na)	0,3%
chloride (Cl)	0,02%
sulphate (SO_4)	0,01%
sulphide (S)	0,001%

R: 26/27/28-32 S: 1/2-7-28-29-45
disposal: 22

11813	**Potassium cyanide** 96—98% (abt. 0,3% Na)	PF.	1 kg	23,25	19,75	18,60	17,9
A 6.1/31A	*Potassium cyanure / Potasio cianuro*	PF.	5 kg	96,—	79,70	74,90	72,-
C 6.1 1680 1		BLT.	50 kg	price on request			
		2843					

KCN $M = 65{,}12$ g/mol

R: 26/27/28-32 S: 1/2-7-28-29-45
disposal: 22

Potassium cyanoferrate see Potassium hexacyanoferrate

31255	**Potassium dichromate** R. G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I	PF.	250 g	10,25	8,70	8,20	7,7
C 5.1 1464 2	*Potassium dichromate / Potasio dicromato*	PF.	500 g	19,75	16,80	15,80	15,2
		PF.	1 kg	33,—	28,05	26,40	25,4
		FTP.	50 kg	kg	16,80		
		2847					

$K_2Cr_2O_7$ $M = 294{,}18$ g/mol

assay	99,8—100,2%
insoluble in water	max. 0,005%
loss on drying (105 °C)	max. 0,05%
lead (Pb)	max. 0,005%
calcium (Ca)	max. 0,002%
iron (Fe)	max. 0,002%
copper (Cu)	max. 0,001%
sodium (Na)	max. 0,01%
chloride (Cl)	max. 0,001%
sulphate (SO_4)	max. 0,005%

R: 36/37/38 S: 22-28
disposal: 16

12255	**Potassium dichromate** chem. pure cryst.	PF.	500 g	13,25	11,25	10,60	10,2
C 5.1 1464 2	*Potassium dichromate / Potasio dicromato*	PF.	1 kg	24,—	20,40	19,20	18,5
		PF.	5 kg	99,50	82,60	77,60	74,6
		S.	50 kg	price on request			
		2847					

$K_2Cr_2O_7$ $M = 294{,}18$ g/mol

assay	99,5%
calcium (Ca)	0,005%
chloride (Cl)	0,005%
sulphate (SO_4)	0,02%

R: 36/37/38 S: 22-28
disposal: 16

refer explanations

Code-Number) RID/ADR) GGVE/GGVS) IMDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
12257 5.1 1464 2	**Potassium dichromate** technical cryst. *Potassium dichromate / Potasio dicromato* $K_2Cr_2O_7$ $M = 294{,}18$ g/mol assay ..... 98 % chloride (Cl) ..... 0,005 % sulphate (SO_4) ..... 0,05 % R: 36/37/38 S: 22-28 disposal: 16	PF. PF. S. 2847	1 kg 5 kg 50 kg	15,50 64,50 price on request	13,20 53,55	12,40 50,30	11,95 48,40
38100	$^1/_{60}$ **mol Potassium dichromate** FIXANAL® 4,903 g $K_2Cr_2O_7$ for 1 L 0,1 N solution *$^1/_{60}$ mol Potassium dichromate / $^1/_{60}$ mol Potasio dicromato* ampoule R: 36/38 S: 2-26	3819	1 pack	8,75	7,45	7,—	6,55
10201 A 6.1/31A C 6.1 1588 1	**Potassium dicyanoargentate** abt. 54 % Ag *Potassium dicyanoargentate / Potasio dicianoargentato* $K[Ag(CN)_2]$ $M = 199{,}00$ g/mol R: 23/24/25 S: 44 disposal: 24	WG. 2849	100 g	price on request			
32334	**Potassium dihydrogen citrate** R. G., buffer substance *Potassium dihydrogénocitrate / Potasio dihidrógeno-citrato* $HOC(COOK)(CH_2COOH)_2$ $C_6H_7KO_7$ $M = 230{,}22$ g/mol	PF. 2916	250 g	70,50	59,95	56,40	52,90
30407	**Potassium dihydrogen phosphate** R. G., buffer substance, Reag. ACS, Reag. ISO, Reag. Ph. Eur. I *Potassium dihydrogénophosphate / Potasio dihidrógeno-fosfato* KH_2PO_4 $M = 136{,}09$ g/mol assay ..... min. 99,5 % insoluble in water ..... max. 0,005 % loss on drying (105 °C) ..... max. 0,1 % pH (2 %, 20 °C) ..... 4,3—4,5 arsenic (As) ..... max. 0,0001 % iron (Fe) ..... max. 0,0005 % sodium (Na) ..... max. 0,005 % heavy metals (as Pb) ..... max. 0,0005 % chloride (Cl) ..... max. 0,0005 % sulphate (SO_4) ..... max. 0,003 % total nitrogen (N) ..... max. 0,001 %	PF. PF. FTP. 2840	250 g 500 g 1 kg 50 kg	10,75 20,25 31,50 kg	9,15 17,20 26,80 14,35	8,60 16,20 25,20	8,05 15,60 24,25
17917	**Potassium dihydrogen phosphate** PURANAL® *Potassium dihydrogénophosphate / Potasio dihidrógeno-fosfato* KH_2PO_4 $M = 136{,}09$ g/mol	PF. 2840	5 kg	price on request			
04243	**Potassium dihydrogen phosphate** chem. pure DAC, cryst. *Potassium dihydrogénophosphate / Potasio dihidrógeno-fosfato* KH_2PO_4 $M = 136{,}09$ g/mol assay ..... 99 % pH (5 %, 20 °C) ..... 4,2—4,5 arsenic (As) ..... 0,0005 % iron (Fe) ..... 0,001 % loss on drying (130 °C) ..... 0,5 % heavy metals (as Pb) ..... 0,0005 % chloride (Cl) ..... 0,001 % sulphate (SO_4) ..... 0,01 % sodium (Na) ..... 0,05 %	PF. PF. PF. S. 2840	500 g 1 kg 5 kg 50 kg	9,— 16,75 64,— price on request	7,65 14,25 53,10	7,20 13,40 49,90	6,95 12,90 48,—

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04244	**Potassium dihydrogen phosphate** chem. pure DAC powder *Potassium dihydrogénophosphate / Potasio dihidrógeno-fosfato* KH_2PO_4 $M = 136{,}09$ g/mol assay ..... 99% pH (5%, 20 °C) ..... 4,2—4,5 arsenic (As) ..... 0,0005% iron (Fe) ..... 0,001% heavy metals (as Pb) ..... 0,0005% chloride (Cl) ..... 0,001% sulphate (SO_4) ..... 0,01% oxidizable impurities ..... passes test	PF. S. *2840*	1 kg 50 kg	19,50 price on request	16,60	15,60	15,—
04245	**Potassium dihydrogen phosphate** pure cryst. *Potassium dihydrogénophosphate / Potasio dihidrógeno-fosfato* KH_2PO_4 $M = 136{,}09$ g/mol assay ..... 98% iron (Fe) ..... 0,002% heavy metals (as Pb) ..... 0,002% chloride (Cl) ..... 0,002% sulphate (SO_4) 0,02%	PF. S. *2840*	5 kg 50 kg	60,50 price on request	50,20	47,20	45,40
04246	**Potassium dihydrogen phosphate** pure powder *Potassium dihydrogénophosphate / Potasio dihidrógeno-fosfato* KH_2PO_4 $M = 136{,}09$ g/mol assay ..... 98% iron (Fe) ..... 0,002% heavy metals (as Pb) ..... 0,002% chloride (Cl) ..... 0,002% sulphate (SO_4) 0,02%	PF. *2840*	† 5 kg	76,50	63,50	59,65	57,40
04250	**Potassium diphosphate** chem. pure *Potassium diphosphate / Potasio difosfato* $K_4P_2O_7$ $M = 330{,}34$ g/mol assay ..... 99% iron (Fe) ..... 0,001% heavy metals (as Pb) ..... 0,001% chloride (Cl) ..... 0,005% sulphate (SO_4) 0,002%	PF. PF. S. *2840*	500 g 1 kg 40 kg	11,75 21,50 price on request	10,— 18,30	9,40 17,20	9,05 16,55
31269	**Potassium disulphate** R. G. *Potassium disulfate / Potasio disulfato* $K_2S_2O_7$ $M = 254{,}32$ g/mol assay (acidimetric) ..... min. 97,5% aluminium (Al) ..... max. 0,001% calcium (Ca) ..... max. 0,003% iron (Fe) ..... max. 0,0005% magnesium (Mg) ..... max. 0,0005% sodium (Na) ..... max. 0,01% heavy metals (as Pb) ..... max. 0,001% chloride (Cl) ..... max. 0,0005% phosphate (PO_4) ..... max. 0,001% total nitrogen (N) ..... max. 0,002%	PF. PF. *2838*	500 g 1 kg	16,— 29,25	13,60 24,85	12,80 23,40	12,30 22,50
31268	**Potassium disulphite** R. G. *Potassium disulfite / Potasio disulfito* $K_2S_2O_5$ $M = 222{,}32$ g/mol assay (iodometric) ..... min. 96% insoluble in water ..... max. 0,005% arsenic (As) ..... max. 0,0001% lead (Pb) ..... max. 0,001% iron (Fe) ..... max. 0,0005% copper (Cu) ..... max. 0,001% zinc (Zn) ..... max. 0,001% chloride (Cl) ..... max. 0,005%	PF. PF. PF. FTP. *2837*	500 g 1 kg 2,5 kg 50 kg	13,25 21,50 45,25 kg	11,25 18,30 37,55 10,50	10,60 17,20 35,30	10,20 16,55 33,95
12618	**Potassium disulphite** purified small crystals *Potassium disulfite / Potasio disulfito* $K_2S_2O_5$ $M = 222{,}32$ g/mol	PF. PF. S. *2837*	1 kg 5 kg 45 kg	11,75 44,— price on request	10,— 36,50	9,40 34,30	9,05 33,—

refer explanations

de-Number RID/ADR GGVE/GGVS MDG CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
619	**Potassium disulphite** purified powder *Potassium disulfite / Potasio disulfito* $K_2S_2O_5$ *M* = 222,32 g/mol	PF. PF. S. *2837*	1 kg 5 kg 50 kg	11,50 43,25 price on request	9,80 35,90	9,20 33,75	8,85 32,45
	Potassium ferricyanide see Potassium hexacyanoferrate(III)						
	Potassium ferrocyanide see Potassium hexacyanoferrate(II)						
104 6.1 1812 3	**Potassium fluoride** R. G. *Potassium fluorure / Potasio fluoruro* KF *M* = 58,10 g/mol assay ..... min. 99% insoluble in water ..... max. 0,01% free acid (as HF) ..... max. 0,01% free alkali (as K_2CO_3) ..... max. 0,01% iron (Fe) ..... max. 0,001% heavy metals (as Pb) ..... max. 0,001% chloride (Cl) ..... max. 0,002% potassium fluorosilicate (K_2SiF_6) ..... max. 0,1% sulphate (SO_4) ..... max. 0,02% R: 23/24/25 S: 1/2-26-44 disposal: 27	PF. PF. FTP. *2829*	250 g 1 kg 25 kg	15,75 46,— kg	13,40 39,10 23,—	12,60 36,80	11,80 35,40
133 6.1 1812 3	**Potassium fluoride** chem. pure *Potassium fluorure / Potasio fluoruro* KF *M* = 58,10 g/mol assay ..... 99% potassium fluorosilicate (K_2SiF_6) ..... 0,1% insoluble in water ..... 0,05% loss on ignition (500 °C, 15 min.) ..... 0,5% iron (Fe) ..... 0,002% heavy metals (as Pb) ..... 0,002% chloride (Cl) ..... 0,005% sulphate (SO_4) ..... 0,05% R: 23/24/25 S: 1/2-26-44 disposal: 27	PF. PF. PF. S. *2829*	500 g 1 kg 5 kg 25 kg	16,— 28,75 120,— price on request	13,60 24,45 99,60	12,80 23,— 93,60	12,30 22,15 90,—
132 6.1 1812 3	**Potassium fluoride** purified *Potassium fluorure / Potasio fluoruro* KF *M* = 58,10 g/mol assay ..... 99% loss on ignition (500 °C, 15 min.) ..... 1% iron (Fe) ..... 0,005% chloride (Cl) ..... 0,01% sulphate (SO_4) ..... 0,1% R: 23/24/25 S: 1/2-26-44 disposal: 27	PF. S. *2829*	5 kg 25 kg	65,50 price on request	54,35	51,10	49,15
556 6.1 2811 3	**Potassium fluoroborate** granulation 0,1 mm *Potassium fluoroborate / Potasio fluoroborato* KBF_4 *M* = 125,90 g/mol assay ..... 99% silicic acid (SiO_2) ..... 0,05% iron (Fe) ..... 0,003% heavy metals (as Pb) ..... 0,003% chloride (Cl) ..... 0,02% sulphate (SO_4) 0,005%	PF. S. *2829*	1 kg 50 kg	16,75 price on request	14,25	13,40	12,90

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01506 **Potassium fluoroborate** granulation 0,05 mm C 6.1 2811 3 *Potassium fluoroborate / Potasio fluoroborato* KBF_4 *M* = 125,91 g/mol assay ..... 99% silicic acid (SiO_2) ..... 0,05% iron (Fe) ..... 0,003% heavy metals (as Pb) ..... 0,003% chloride (Cl) ..... 0,02% sulphate (SO_4) 0,005%	S. *2829*	50 kg	price on request			
01411 **Potassium fluorosilicate** powder C 6.1 2655 3 *Potassium fluorosilicate / Potasio fluorosilicato* K_2SiF_6 *M* = 220,27 g/mol assay ..... 99% iron (Fe) ..... 0,005% heavy metals (as Pb) ..... 0,005% chloride (Cl) ..... 0,3% sulphate (SO_4) ..... 0,02% R: 23/24/25 S: 1/2-26-44 disposal: 27	PF. S. *2829*	1 kg 50 kg	13,75 price on request	11,70	11,—	10,6
31625 **Potassium fluorotitanate(IV)** R. G. C 6.1 2811 3 *Potassium fluorotitanate(IV) / Potasio fluorotitanato(IV)* K_2TiF_6 *M* = 240,09 g/mol assay ..... min. 99% ammonium (NH_4) ..... max. 0,005% iron (Fe) ..... max. 0,005% heavy metals (as Pb) ..... max. 0,005% chloride (Cl) ..... max. 0,005% sulphate (SO_4) ..... max. 0,005%	PF. *2829*	100 g	27,—	22,95	21,60	20,2
01727 **Potassium fluorotitanate(IV)** pure granular 0,1 mm C 6.1 2811 3 *Potassium fluorotitanate(IV) / Potasio fluorotitanato(IV)* K_2TiF_6 *M* = 240,09 g/mol assay ..... 98% less in ignition (350 °C) ..... 0,2% calcium (Ca) ..... 0,01% sodium (Na) ..... 0,05% fluorosilicate (K_2SiF_6) ..... 0,1% sulphate (SO_4) ..... 0,01% particle size: more than 0,25 mm ..... max. 10% 0,075—0,25 mm ..... min. 60% 0,043—0,75 mm ..... max. 40% less than 0,043 mm ..... max. 5%	PF. S. *2829*	1 kg 50 kg	19,75 price on request	16,80	15,80	15,2
01717 **Potassium fluorotitanate(IV)** pure fine powder C 6.1 • 2655 3 *Potassium fluorotitanate(IV) / Potasio fluorotitanato(IV)* K_2TiF_6 *M* = 240,09 g/mol assay ..... 98% insoluble in water (100 °C) ..... 0,1% loss on ignition (350 °C) ..... 0,2% calcium (Ca) ..... 0,01% sodium (Na) ..... 0,05% fluorosilicate (K_2SiF_6) ..... 0,1% sulphate (SO_4) 0,01%	PF. S. *2829*	1 kg 50 kg	price on request price on request			
01712 **Potassium fluorozirconate** technical powder C 6.1 2811 3 *Potassium fluorozirconate / Potasio fluorozirconato* K_2ZrF_6 *M* = 283,41 g/mol	PF. FTP. *2829*	1 kg 50 kg	27,75 price on request	23,60	22,20	21,3
12513 **Potassium hexachloroplatinate(IV)** *Potassium hexachloroplatinate(IV) / Potasio hexacloroplatinato(IV)* $K_2[PtCl_6]$ *M* = 486,00 g/mol	FL. *2849*	1 g	price on request			

refer explanations

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2902 6.1/31A 6.1 1588 3	**Potassium hexacyanocobaltate(III)** pure *Potassium hexacyanocobaltate(III) / Potasio hexacianocobaltato(III)* $K_3[Co(CN)_6]$ $M = 332{,}33$ g/mol assay ..... 95% free cyanide (CN) ..... 0,005% iron (Fe) ..... 0,02% sulphate (SO_4) 0,05%	PF. PF. *2843*	250 g 1 kg	39,— 129,50	33,15 110,10	31,20 103,60	29,25 99,70
1254	**Potassium hexacyanoferrate(II)-3-hydrate** R. G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I *Potassium hexacyanoferrate(II)-3-hydrate / Potasio hexacyanoferrato(II)-3-hidrato* $K_4[Fe(CN)_6] \cdot 3H_2O$ $M = 422{,}39$ g/mol assay ..... 99,0—100,5% insoluble in water ..... max. 0,005% lead (Pb) ..... max. 0,002% cadmium (Cd) ..... max. 0,0005% copper (Cu) ..... max. 0,002% sodium (Na) ..... max. 0,01% chloride (Cl) ..... max. 0,005% sulphate (SO_4) ..... max. 0,005%	PF. PF. *2843*	500 g 1 kg	14,75 27,—	12,55 22,95	11,80 21,60	11,35 20,80
2639	**Potassium hexacyanoferrate(II)-3-hydrate** pure cryst. *Potassium hexacyanoferrate(II)-3-hydrate / Potasio hexacianoferrato(II)-3-hidrato* $K_4[Fe(CN)_6] \cdot 3H_2O$ $M = 422{,}39$ g/mol assay ..... 99,5% chloride (Cl) ..... 0,05% sulphate (SO_4) 0,05%	PF. PF. S. *2843*	500 g 1 kg 50 kg	12,50 22,50 price on request	10,65 19,15	10,— 18,—	9,65 17,35
2641	**Potassium hexacyanoferrate(II)-3-hydrate** technical cryst. *Potassium hexacyanoferrate(II)-3-hydrate / Potasio hexacianoferrato(II)-3-hidrato* $K_4[Fe(CN)_6] \cdot 3H_2O$ $M = 422{,}39$ g/mol assay ..... 99,5% chloride (Cl) ..... 0,1% sulphate (SO_4) 0,1%	PF. S. *2843*	5 kg 50 kg	78,50 price on request	65,15	61,25	58,90
1253	**Potassium hexacyanoferrate(III)** R. G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I *Potassium hexacyanoferrate(III) / Potasio hexacianoferrato(III)* $K_3[Fe(CN)_6]$ $M = 329{,}25$ g/mol assay ..... min. 99% lead (Pb) ..... max. 0,002% calcium (Ca) ..... max. 0,0005% copper (Cu) ..... max. 0,001% sodium (Na) ..... max. 0,02% chloride (Cl) ..... max. 0,005% hexacyanoferrate(II) ($[Fe(CN)_6]^{4-}$) ..... max. 0,02% sulphate (SO_4) ..... max. 0,005%	PF. PF. PF. *2843*	250 g 500 g 1 kg	14,50 25,25 47,—	12,35 21,45 39,95	11,60 20,20 37,60	10,90 19,45 36,20
2643	**Potassium hexacyanoferrate(III)** pure cryst. *Potassium hexacyanoferrate(III) / Potasio hexacianoferrato(III)* $K_3[Fe(CN)_6]$ $M = 329{,}25$ g/mol assay ..... 99,5% chloride (Cl) ..... max. 0,2% sulphate (SO_4) 0,01%	PF. PF. PF. S. *2843*	500 g 1 kg 5 kg 50 kg	17,75 32,50 137,50 price on request	15,10 27,65 114,15	14,20 26,— 107,25	13,65 25,05 103,15
1135 6.1 1812 3	**Potassium hexafluoroaluminate** *Potassium hexafluoroaluminate / Potasio hexafluoroaluminato* K_3AlF_6 $M = 258{,}27$ g/mol assay of F ..... 42—46% assay of Al ..... 10—11% loss on ignition (300 °C, 1 h) ..... 3% chloride (Cl) ..... 0,01% residue on sieve 0,06 mm 2%	PF. S. *2829*	1 kg 50 kg	24,75 price on request	21,05	19,80	19,05

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01739 **Potassium hexafluoroarsenate** A 6.1/52 C 6.1 1557 3 *Potassium hexafluoroarséniate / Potasio hexafluoroarseniato* $KAsF_6$ $M = 228{,}01$ g/mol R: 23/25-39 S: 1/2-20/21-28-45 disposal: 10	PF. *2829*	50 g	193,—	164,05	154,40	144,7
01737 **Potassium hexafluorophosphate** C 6.1 2811 3 *Potassium hexafluorophosphate / Potasio hexafluorofosfato* KPF_6 $M = 184{,}06$ g/mol R: 20/21/22 S: 28 disposal: 27	PF. *2829*	50 g	22,—	18,70	17,60	16,5
Potassium hexafluorotitanate see Potassium fluorotitanate(IV)						
31149 **Potassium hexahydroxoantimonate(V)** R. G., Reag. Ph. Eur. I A 6.1/75 C 6.1 1549 3 *Potassium hexahydroxoantimoniate(V) / Potasio hexahidroxoantimoniato(V)* $K[Sb(OH)_6]$ $M = 262{,}89$ g/mol assay ..... min. 95% loss on drying (120 °C, 2 h) ..... max. 5% free alkali (as KOH) ..... max. 0,1% R: 20/22 S: 22 disposal: 26	PF. PF. *2847*	100 g 250 g	price on request price on request			
11125 **Potassium hexahydroxoantimonate(V)** A 6.1/75 C 6.1 1549 3 *Potassium hexahydroxoantimonate(V) / Potasio hexahidroxoantimonato(V)* $K[Sb(OH)_6]$ $M = 262{,}89$ g/mol assay ..... 95% loss on drying (120 °C, 2 h) ..... 5% R: 20/22 S: 22 disposal: 26	PF. PF. FTP. *2847*	250 g 1 kg 50 kg	price on request price on request price on request			
31259 **Potassium hydrogen carbonate** R. G., Reag. Ph. Eur. I *Potassium hydrogénocarbonate / Potasio hidrógenocarbonato* $KHCO_3$ $M = 100{,}12$ g/mol assay ..... min. 99,5% aluminium (Al) ..... max. 0,0005% calcium (Ca) ..... max. 0,0005% iron (Fe) ..... max. 0,0005% sodium (Na) ..... max. 0,02% heavy metals (as Pb) ..... max. 0,0005% chloride (Cl) ..... max. 0,001% phosphate (PO_4) and silicate (as SiO_2) ... max. 0,001% sulphate (SO_4) ..... max. 0,001% total nitrogen (N) ..... max. 0,001%	PF. PF. *2842*	500 g 1 kg	13,50 24,25	11,50 20,60	10,80 19,40	10,4 18,6
12602 **Potassium hydrogen carbonate** chem. pure cryst. DAB 8, B. P. C. 1973 *Potassium hydrogénocarbonate / Potasio hidrógenocarbonato* $KHCO_3$ $M = 100{,}12$ g/mol assay ..... 99,5% arsenic (As) ..... 0,0001% calcium (Ca) ..... 0,005% iron (Fe) ..... 0,001% heavy metals (as Pb) ..... 0,001% chloride (Cl) ..... 0,005% sulphate (SO_4) 0,01%	PF. PF. S. *2842*	1 kg 5 kg 50 kg	12,50 42,75 price on request	10,65 35,50	10,— 33,35	9,6 32,0

refer explanations

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30327 : 5.1 1479 2	**Potassium hydrogen diiodate** R. G. *Potassium hydrogénodiiodate / Potasio hidrógeno-diyodato* $KH(JO_3)_2$ $M = 389{,}92$ g/mol assay ..... min. 99,8% insoluble in water ..... max. 0,005% iron (Fe) ..... max. 0,0005% heavy metals (as Pb) ..... max. 0,001% chloride, chlorate and bromate (as Cl) ..... max. 0,02% total nitrogen (N) ..... max. 0,002%	WG. 2832	100 g	38,—	32,30	30,40	28,50
01261	**Potassium hydrogen fluoride** chem. pure (max. 0,3% H_2O) *Potassium hydrogénofluorure / Potasio hidrógeno-fluoruro* KHF_2 $M = 78{,}10$ g/mol assay ..... 99% potassium fluorosilicate (K_2SiF_6) ..... 0,1% water (according to Karl Fischer) ..... max. 0,3% iron (Fe) ..... 0,001% heavy metals (as Pb) ..... 0,001% sulphate (SO_4) 0,01%	PF. 2832	1 kg	price on request			
01138 A 8/15A C 8 1811 2	**Potassium hydrogen fluoride** pure *Potassium hydrogénofluorure / Potasio hidrógeno-fluoruro* KHF_2 $M = 78{,}10$ g/mol assay ..... 99% potassium fluorosilicate (K_2SiF_6) ..... 0,1% loss on drying (105 °C) ..... 0,3% iron (Fe) ..... 0,001% heavy metals (as Pb) ..... 0,001% sulphate (SO_4) ..... 0,01% R: 25-34 S: 22-26-37 disposal: 27	PF. PF. S. FTP. 2829	1 kg 5 kg 50 kg 50 kg	17,50 65,50 price on request price on request	14,90 54,35	14,— 51,10	13,50 49,15
01137 A 8/15A C 8 1811 2	**Potassium hydrogen fluoride** purified *Potassium hydrogénofluorure / Potasio hidrógeno-fluoruro* KHF_2 $M = 78{,}10$ g/mol assay ..... 97% iron (Fe) ..... 0,005% heavy metals (as Pb) ..... 0,005% sulphate (SO_4) ..... 0,05% R: 25-34 S: 22-26-37 disposal: 27	PF. S. FTP. 2829	2,5 kg 50 kg 50 kg	35,— price on request price on request	29,05	27,30	26,25
01247 A 8/15A C 8 1811 2	**Potassium hydrogen fluoride** with addition of anti-caking agent *Potassium hydrogénofluorure / Potasio hidrógeno-fluoruro* KHF_2 $M = 78{,}10$ g/mol assay ..... 97% iron (Fe) ..... 0,005% heavy metals (as Pb) ..... 0,005% sulphate (SO_4) ..... 0,05% R: 25-34 S: 22-26-37 disposal: 27	S. FTP. 2829	50 kg 50 kg	price on request price on request			
04248	*di*-**Potassium hydrogen phosphate** chem. pure DAC, B. P. C. 1949, N. F. XII *di-Potassium hydrogénophosphate / di-Potasio hidrógeno-fosfato* K_2HPO_4 $M = 174{,}18$ g/mol assay ..... 98% loss on drying (130 °C) ..... 1,5% pH (10%, 20 °C) ..... 8,9—9,3 arsenic (As) ..... 0,0001% iron (Fe) ..... 0,002% heavy metals (as Pb) ..... 0,0005% chloride (Cl) ..... 0,002% sulphate (SO_4) 0,1%	PF. PF. PF. S. 2840	500 g 1 kg 5 kg 50 kg	13,— 23,25 95,— price on request	11,05 19,75 78,85	10,40 18,60 74,10	10,— 17,90 71,25

SPECTRANAL® solvents for spectroscopy

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes
33325	**Potassium hydrogen phthalate** R. G., buffer substance, Reag. ISO, Reag. Ph. Eur. I *Potassium hydrogénophtalate / Potasio hidrógeno-ftalato* $C_6H_4(COOH)COOK$ $C_8H_5KO_4$ $M = 204{,}22$ g/mol assay ..... 99,9—100,3% insoluble in water ..... max. 0,01% loss on drying (105 °C) ..... max. 0,05% iron (Fe) ..... max. 0,0005% sodium (Na) ..... max. 0,005% heavy metals (as Pb) ..... max. 0,0005% chloride (Cl) ..... max. 0,001% sulphate (SO_4) ..... max. 0,005%	WG. WG. WG. *2915*	100 g 250 g 1 kg	8,25 16,50 48,25	7,— 14,05 41,—	6,60 13,20 38,60	6,2 12,4 37,1
31260 A 8/13	**Potassium hydrogen sulphate** R. G., Reag. Ph. Eur. I *Potassium hydrogénosulfate / Potasio hidrógeno-sulfato* $KHSO_4$ $M = 136{,}17$ g/mol assay ..... 98—102% insoluble in water ..... max. 0,005% ammonium (NH_4) ..... max. 0,001% arsenic (As) ..... max. 0,00005% calcium (Ca) ..... max. 0,002% iron (Fe) ..... max. 0,0005% magnesium (Mg) ..... max. 0,0005% sodium (Na) ..... max. 0,01% heavy metals (as Pb) ..... max. 0,001% chloride (Cl) ..... max. 0,0005% phosphate (PO_4) ..... max. 0,0005%	PF. PF. FTP. *2838*	500 g 1 kg 50 kg	17,25 31,25 kg	14,65 26,55 16,—	13,80 25,—	13,3 24,0
31261	**Potassium hydrogen sulphate** R. G., fused *Potassium hydrogénosulfate / Potasio hidrógeno-sulfato* $KHSO_4$ $M = 136{,}17$ g/mol assay ..... 99—103% insoluble in water ..... max. 0,01% ammonium (NH_4) ..... max. 0,001% calcium (Ca) ..... max. 0,002% iron (Fe) ..... max. 0,0005% heavy metals (as Pb) ..... max. 0,001% chloride (Cl) ..... max. 0,002%	PF. PF. *2838*	500 g 1 kg	19,25 35,—	16,35 29,75	15,40 28,—	14,8 26,9
12605 A 8/13	**Potassium hydrogen sulphate** chem. pure cryst. *Potassium hydrogénosulfate / Potasio hidrógeno-sulfato* $KHSO_4$ $M = 136{,}17$ g/mol assay ..... 98—102% ammonium (NH_4) ..... 0,002% calcium (Cl) ..... 0,01% iron (Fe) ..... 0,001% heavy metals (as Pb) ..... 0,002% chloride (Cl) 0,002%	PF. PF. PF. S. *2838*	500 g 1 kg 5 kg 50 kg	10,— 17,— 63,50 price on request	8,50 14,45 52,70	8,— 13,60 49,55	7,7 13,1 47,6
12603 A 8/13	**Potassium hydrogen sulphate** pure cryst. *Potassium hydrogénosulfate / Potasio hidrógeno-sulfato* $KHSO_4$ $M = 136{,}17$ g/mol assay ..... 97% iron (Fe) ..... 0,005% heavy metals (as Pb) ..... 0,005% chloride (Cl) 0,01%	PF. PF. S. *2838*	1 kg 5 kg 50 kg	16,25 60,50 price on request	13,80 50,20	13,— 47,20	12,5 45,4
32331	**Potassium hydrogen tartrate** R. G., buffer substance *Potassium hydrogénotartrate / Potasio hidrógeno-tartrato* $HOOC(CHOH)_2COOK$ $C_4H_5KO_6$ $M = 188{,}18$ g/mol assay ..... 99,7—100,3% loss on drying (105 °C) ..... max. 0,1% insoluble in ammonia solution ..... max. 0,01% ammonium (NH_4) ..... max. 0,01% iron (Fe) ..... max. 0,001% heavy metals (as Pb) ..... max. 0,001% chloride (Cl) ..... max. 0,002% sulphate (SO_4) ..... max. 0,01%	PF. *2916*	250 g	price on request			

refer explanations

de-Number RID/ADR GGVE/GGVS MDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
506	**Potassium hydrogen tartrate** DAB 6 *Potassium hydrogénotartrate / Potasio hidrógeno-tartrato* $HOOC(CHOH)_2COOK$ $C_4H_5KO_6$ $M = 188{,}18$ g/mol assay ..... 99,5% free tartaric acid ..... 0,2% arsenic (As) ..... 0,0001% heavy metals (as Pb) ..... 0,001% chloride (Cl) ..... 0,005% sulphate (SO_4) 0,01%	PF. PF. S. *2916*	1 kg 5 kg 50 kg	price on request price on request price on request			
603 */31A* *1813 2*	**Potassium hydroxide** R. G., pellets *Potasse caustique / Potasa cáustica* KOH $M = 56{,}11$ g/mol assay ..... min. 85% assay of K_2CO_3 ..... max. 1% insoluble in water ..... max. 0,002% aluminium (Al) ..... max. 0,001% calcium (Ca) ..... max. 0,001% iron (Fe) ..... max. 0,0005% sodium (Na) ..... max. 0,5% nickel (Ni) ..... max. 0,0005% heavy metals (as Pb) ..... max. 0,0005% chloride (Cl) ..... max. 0,0005% phosphate (PO_4) ..... max. 0,0005% silicate (SiO_2) ..... max. 0,005% sulphate (SO_4) ..... max. 0,0005% total nitrogen (N) ..... max. 0,0003% R: 35 S: 2-26-37/39 disposal: 3	PF. PF. PF. FTP. FTP. *2817*	500 g 1 kg 5 kg 50 kg 5x	10,50 16,— 62,50 kg kg	8,95 13,60 51,90 6,65 6,10	8,40 12,80 48,75	8,10 12,30 46,90
614 */31A* *1813 2*	**Potassium hydroxide** R. G., pellets (max. 0,002% Na) Reag. ACS, Reag. ISO *Potasse caustique / Potasa cáustica* KOH $M = 56{,}11$ g/mol assay ..... min. 85% assay of K_2CO_3 ..... max. 1% aluminium (Al) ..... max. 0,0002% lead (Pb) ..... max. 0,0001% cadmium (Cd) ..... max. 0,00001% calcium (Ca) ..... max. 0,0005% iron (Fe) ..... max. 0,0005% copper (Cu) ..... max. 0,0001% manganese (Mn) ..... max. 0,00005% sodium (Na) ..... max. 0,002% nickel (Ni) ..... max. 0,0001% zinc (Zn) ..... max. 0,0001% chloride (Cl) ..... max. 0,0005% phosphate (PO_4) ..... max. 0,0005% silicate (SiO_2) ..... max. 0,002% sulphate (SO_4) ..... max. 0,0005% total nitrogen (N) ..... max. 0,0003% R: 35 S: 2-26-37/39 disposal: 3	PF. PF. PF. *2817*	250 g 1 kg 5 kg	16,50 46,25 203,—	14,05 39,30 168,50	13,20 37,— 158,35	12,40 35,60 152,25
351 *'31A* *1813 2*	**Potassium hydroxide** PURANAL®, pellets *Potasse caustique / Potasa cáustica* KOH $M = 56{,}11$ g/mol analytical data on request R: 35 S: 2-26-37/39 disposal: 3	PF. FTP. *2817*	5 kg 50 kg	price on request price on request			

AQUANAL® test sets for quantitative analysis of aqueous solutions

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Box
06005 A 8/31A C 8 1813 2	**Potassium hydroxide** chem. pure pellets DAC, B. P. 1973, U. S. P. XIX *Potasse caustique / Potasa cáustica* KOH $M = 56{,}11$ g/mol assay ..... 85 % assay of K_2CO_3 ..... 2 % aluminium (Al) ..... 0,001 % arsenic (As) ..... 0,0004 % calcium (Ca) ..... 0,002 % iron (Fe) ..... 0,001 % sodium (Na) ..... 0,5 % heavy metals (as Pb) ..... 0,0005 % chloride (Cl) ..... 0,001 % phosphate (PO_4) ..... 0,001 % silicate (SiO_2) ..... 0,01 % sulphate (SO_4) ..... 0,002 % total nitrogen (N) ..... 0,0005 % R: 35 S: 2-26-37/39 disposal: 3	PF. PF. FTP. FTP. *2817*	1 kg 5 kg 50 kg 5x	14,50 54,50 kg kg	12,35 45,25 5,65 5,20	11,60 42,50	11, 40,
06009 A 8/31A C 8 1813 2	**Potassium hydroxide** purified pellets *Potasse caustique / Potasa cáustica* KOH $M = 56{,}11$ g/mol assay ..... 85 % assay of K_2CO_3 ..... 1 % aluminium (Al) ..... 0,002 % iron (Fe) ..... 0,002 % heavy metals (as Pb) ..... 0,001 % chloride (Cl) ..... 0,001 % sulphate (SO_4) ..... 0,003 % R: 35 S: 2-26-37/39 disposal: 3	PF. PF. FTP. FTP. *2817*	1 kg 5 kg 50 kg 5x	13,25 50,50 kg kg	11,25 41,90 5,10 4,70	10,60 39,40	10, 37,
06101 A 8/31A C 8 1813 2	**Potassium hydroxide** technical lumps *Potasse caustique / Potasa cáustica* KOH $M = 56{,}11$ g/mol assay ..... 88 % iron (Fe) ..... 0,001 % chloride (Cl) ..... 0,01 % sulphate (SO_4) ..... 0,005 % R: 35 S: 2-26-37/39 disposal: 3	PF. S. *2817*	5 kg 50 kg	40,—	33,20 price on request	31,20	30,
06103 A 8/31A C 8 1813 2	**Potassium hydroxide** technical powder *Potasse caustique / Potasa cáustica* KOH $M = 56{,}11$ g/mol assay ..... 88 % iron (Fe) ..... 0,002 % chloride (Cl) ..... 0,01 % sulphate (SO_4) ..... 0,005 % R: 35 S: 2-26-37/39 disposal: 3	PF. S. *2817*	5 kg 50 kg	40,—	33,20 price on request	31,20	30,
35127 A 3/5 C 3.2 1142 2 11 °C	**Potassium hydroxide solution 0,1 mol/l in ethanol** 0,1 N volumetric solution *Potasse lessive 0,1 mol/l en éthanol / Potasa cáustica líquida 0,1 mol/l en etanol* 1 L ≈ 0,81 kg R: 11 S: 7-16 disposal: 6	FL. *3819*	1 L	22,—	18,70	17,60	16
35115 A 3/5 C 3.2 1142 2 11 °C	**Potassium hydroxide solution 0,5 mol/l in ethanol** 0,5 N volumetric solution *Potasse lessive 0,5 mol/l en éthanol / Potasa cáustica líquida 0,5 mol/l en etanol* 1 L ≈ 0,84 kg R: 11-36/37/38 S: 16-26-29 disposal: 3	FL. FL. *3819*	500 ml 1 L	42,75 78,—	36,35 66,30	34,20 62,40	32 60

le-Number D/ADR GVE/GGVS IDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	8x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
12 6 2 1142 2 :	**Potassium hydroxide solution 1 mol/l in ethanol** 1 N volumetric solution *Potasse lessive 1 mol/l en éthanol / Potasa cáustica líquida 1 mol/l en etanol* **1 L ≈ 0,88 kg** R: 11-36/37/38 S: 16-26-29 disposal: 3	FL. *3819*	1 L	21,50	18,30	17,20	16,55
22 32 1814 2	**Potassium hydroxide solution** 28,5 %, for flue-gas analysis *Potasse lessive / Potasa cáustica líquida* KOH *M* = 56,11 g/mol **1 L ≈ 1,27 kg** R: 35 S: 2-26-27-37/39 disposal: 3	PF. *2817*	1 L	17,25	14,65	13,80	13,30
21 32 1814 2	**Potassium hydroxide solution** 50 % for the absorption of carbon dioxide according to Orsat *Potasse lessive / Potasa cáustica líquida* KOH *M* = 56,11 g/mol **1 L ≈ 1,51 kg** R: 35 S: 2-26-27-37/39 disposal: 3	PF. PF. *2817*	1 L 2,5 L	20,50 43,—	17,45 35,70	16,40 33,55	15,80 32,25
20 32 1814 2	**Potassium hydroxide solution** 47 % for the absorption of carbon dioxide according to Knipping *Potasse lessive / Potasa cáustica líquida* KOH *M* = 56,11 g/mol **1 L ≈ 1,47 kg** R: 35 S: 2-26-27-37/39 disposal: 3	PF. *2817*	2,5 L	41,50	34,45	32,35	31,15
05 32 1814 2	**Potassium hydroxide solution** 38 % pure *Potasse lessive / Potasa cáustica líquida* KOH *M* = 56,11 g/mol **1 L ≈ 1,38 kg** assay ..... 38 % iron (Fe) ..... 0,001 % chloride (Cl) ..... 0,002 % sulphate (SO_4) ..... 0,0005 % R: 35 S: 2-26-27-37/39 disposal: 3	PF. PF. *2817*	† 1 L † 2,5 L	14,— 29,—	11,90 24,05	11,20 22,60	10,80 21,75
70 32 1814 2	**0,1 mol Potassium hydroxide solution** FIXANAL® 5,611 g KOH for 1 L 0,1 N solution *0,1 mol Potasse lessive / 0,1 mol Potasa cáustica líquida* ampoule R: 35 S: 2-26-27-37/39 disposal: 3	*3819*	1 pack	8,75	7,45	7,—	6,55
73 32 814 2	**1 mol Potassium hydroxide solution** FIXANAL® 56, 109 g KOH for 1 L 1 N solution *1 mol Potasse lessive / 1 mol Potasa cáustica líquida* bottle R: 35 S: 2-26-27-37/39 disposal: 3	*3819*	1 pack	11,25	9,55	9,—	8,45

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
04411	**Potassium hypophosphite** chem. pure Erg. B. 6, B. P. C. 1963 *Potassium hypophosphite / Potasio hipofosfito* KPH_2O_2 $M = 104{,}09$ g/mol assay 99% loss on drying (105 °C) 1% pH range (5%, 20 °C) 6–8 arsenic (As) 0,0001% calcium (Ca) 0,005% iron (Fe) 0,001% sodium (Na) 0,2% heavy metals (as Pb) 0,001% chloride (Cl) 0,02% phosphite and phosphate (as PO_4) 0,5% sulphate (SO_4) 0,02%	PF. PF. FTP. *2840*	1 kg 2,5 kg 50 kg	52,— 114,— price on request	44,20 94,60	41,60 88,90	40,0 85,5
	Potassium hyposulphite see Potassium thiosulphate						
30314 C 5.1 1479 2	**Potassium iodate** R. G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I *Potassium iodate / Potasio yodato* KJO_3 $M = 214{,}00$ g/mol assay 99,5–100,2% insoluble in water max. 0,005% loss on drying (105 °C) max. 0,05% pH (5%, 20 °C) 5–8 iron (Fe) max. 0,001% sodium (Na) max. 0,005% heavy metals (as Pb) max. 0,0005% chlorate, chloride and bromide (as Cl) max. 0,01% iodide (I) max. 0,001% sulphate (SO_4) max. 0,005% total nitrogen (N) max. 0,002%	PF. PF. PF. *2832*	100 g 250 g 1 kg	16,50 37,25 124,—	14,05 31,65 105,40	13,20 29,80 99,20	12,4 27,9 95,5
03123 C 5.1 1479 2	**Potassium iodate** Erg. B. 6 *Potassium iodate / Potasio yodato* KJO_3 $M = 214{,}00$ g/mol assay 99,8% pH (5%, 20 °C) 5-8 iron (Fe) 0,005% heavy metals (as Pb) 0,002% chloride, chlorate and bromide (as Cl) 0,02% iodide (I) 0,002% sulphate (SO_4) 0,05%	PF. PF. PF. FTP. *2832*	100 g 500 g 1 kg 50 kg	11,50 42,25 77,50 price on request	9,80 35,90 65,90	9,20 33,80 62,—	8,6 32,5 59,7
38120	$^1/_{60}$ **mol Potassium iodate** FIXANAL® 3,567 g KIO_3 for 1 L 0,1 N solution $^1/_{60}$ *mol Potassium iodate / $^1/_{60}$ mol Potasio yodato* ampoule	*3819*	1 pack	8,75	7,45	7,—	6,5
30315	**Potassium iodide** R. G., Reag. ISO, Reag. Ph. Eur. I *Potassium iodure / Potasio yoduro* KJ $M = 166{,}00$ g/mol assay min. 99,5% insoluble in water max. 0,005% loss on drying (105 °C) max. 0,1% free alkali (as KOH) max. 0,02% arsenic (As) max. 0,00001% barium (Ba) max. 0,002% calcium (Ca) max. 0,001% iron (Fe) max. 0,0005% magnesium (Mg) max. 0,001% sodium (Na) max. 0,03% heavy metals (as Pb) max. 0,0005% chloride and bromide (as Cl) max. 0,01% iodate (IO_3) max. 0,0003% phosphate (PO_4) max. 0,001% sulphate (SO_4) max. 0,001% thiosulphate (S_2O_3) max. 0,001% total nitrogen (N) max. 0,001%	WG. WG. WG. WG. FTP. *2830*	100 g 250 g 500 g 1 kg 50 kg	16,25 37,— 67,50 124,50 price on request	13,80 31,45 57,40 105,85	13,— 29,60 54,— 99,60	12,2 27,7 52,- 95,8
17888	**Potassium iodide** PURANAL® *Potassium iodure / Potasio yoduro* KJ $M = 166{,}00$ g/mol	WG. *2830*	1 kg	price on request			

refer explanations

ode-Number RID/ADR GGVE/GGVS IMDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
3124	**Potassium iodide** chem. pure Ph. Eur. I, B. P. 1973, Ph. Franç. IX, U. S. P. XIX *Potassium iodure / Potasio yoduro* KJ M = 166,00 g/mol assay ..... 99,5% loss on drying (105 °C) ..... 0,1% barium (Ba) ..... 0,001% iron (Fe) ..... 0,001% heavy metals (as Pb) ..... 0,001% chloride and bromide (as Cl) ..... 0,03% sulphate (SO_4) ..... 0,01% thiosulphate (S_2O_3) 0,005%	WG. WG. WG. FTP. 2830	500 g 1 kg 2,5 kg 50 kg	44,50 82,— 178,— price on request	37,85 69,70 147,75	35,60 65,60 138,85	34,25 63,15 133,50
3110	**0,1 mol Potassium iodide** FIXANAL® 16,601 g KI for 1 L 0,1 N solution *0,1 mol Potassium iodure / 0,1 mol Potasio yoduro* ampoule	3819	1 pack	10,25	8,70	8,20	7,70
	Potassium iron(II) cyanide see Potassium hexacyanoferrate(II)						
	Potassium iron(III) cyanide see Potassium hexacyanoferrate(III)						
	Potassium mercury(II) cyanide see Potassium tetracyanomercurate(II)						
	Potassium mercury(II) iodide solution see Nessler's reagent						
	Potassium metabisulphite see Potassium disulphite						
1619	**Potassium metaborate** pure *Potassium métaborate / Potasio metaborato* $KBO_2 \cdot$ ca. 1,5 H_2O M = (anhydrous) 81,90 g/mol assay of B_2O_3 ..... 31—33% assay of K_2O ..... 42—44% iron (Fe) ..... 0,005% heavy metals (as Pb) ..... 0,005% chloride (Cl) ..... 0,01% sulphate (SO_4) 0,05%	PF. PF. S. 2846	1 kg 5 kg 50 kg	16,50 68,— price on request	14,05 56,45	13,20 53,05	12,70 51,—
	Potassium metaperiodate see Potassium tetroxoiodate(VII)						
1263 5.1 1486 3	**Potassium nitrate** R. G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I *Potassium nitrate / Potasio nitrato* KNO_3 M = 101,10 g/mol assay ..... min. 99% insoluble in water ..... max. 0,005% pH (5%, 20 °C) ..... 6—8 ammonium (NH_4) ..... max. 0,001% calcium (Ca) ..... max. 0,001% iron (Fe) ..... max. 0,0002% sodium (Na) ..... max. 0,005% heavy metals (as Pb) ..... max. 0,0005% chloride (Cl) ..... max. 0,001% iodate (IO_3) ..... max. 0,0005% nitrite (NO_2) ..... max. 0,001% phosphate (PO_4) ..... max. 0,0005% sulphate (SO_4) ..... max. 0,002%	PF. PF. PF. FTP. 2839	500 g 1 kg 5 kg 50 kg	9,75 16,— 66,— kg	8,30 13,60 54,80 6,90	7,80 12,80 51,50	7,50 12,30 49,50
1648 5.1 1486 3	**Potassium nitrate** chem. pure cryst. DAB 6, B. P. 1973, N. F. XI *Potassium nitrate / Potasio nitrato* KNO_3 M = 101,10 g/mol assay ..... 99,5% pH (5%, 20 °C) ..... 5—8 ammonium (NH_4) ..... 0,005% arsenic (As) ..... 0,0001% iron (Fe) ..... 0,001% sodium (Na) ..... 0,05% heavy metals (as Pb) ..... 0,001% chloride (Cl) ..... 0,002% total halogen compounds (as Cl) ..... 0,005% sulphate (SO_4) 0,02%	PF. PF. S. 2839	1 kg 5 kg 50 kg	14,50 54,50 price on request	12,35 45,25	11,60 42,50	11,15 40,90

CHROMASOLV® solvents for chromatography

Code-Number
A) RID/ADR
B) GGVE/GGVS
C) IMDG-CODE (GGVSee)

		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxe
12651	**Potassium nitrate** pure	PF.	5 kg	31,75	26,35	24,75	23,8
C 5.1 1486 3	*Potassium nitrate / Potasio nitrato*	S.	50 kg	price on request			
		2839					

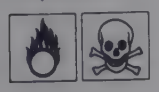
KNO_3 $M = 101{,}10$ g/mol

assay	98 %
iron (Fe)	0,002 %
heavy metals (as Pb)	0,002 %
chloride (Cl)	0,005 %
sulphate (SO_4)	0,03 %

31303	**Potassium nitrite** R. G., cryst.	PF.	250 g	21,50	18,30	17,20	16,1
A 5.1/8	*Potassium nitrite / Potasio nitrito*	PF.	1 kg	63,—	53,55	50,40	48,5
C 5.1 1488 2		F.	60 kg	kg	39,—		
		2839					

KNO_2 $M = 85{,}10$ g/mol

assay	min. 98 %
insoluble in water	max. 0,005 %
calcium (Ca)	max. 0,005 %
iron (Fe)	max. 0,001 %
sodium (Na)	max. 0,5 %
heavy metals (as Pb)	max. 0,001 %
chloride (Cl)	max. 0,005 %
sulphate (SO_4)	max. 0,005 %

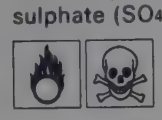


R: 8-25 S: 44
disposal: 16

12654	**Potassium nitrite** pure cryst.	PF.	500 g	25,75	21,90	20,60	19,8
A 5.1/8	*Potassium nitrite / Potasio nitrito*	PF.	1 kg	47,50	40,40	38,—	36,6
C 5.1 1488 2		PF.	2,5 kg	104,50	86,75	81,50	78,4
		F.	60 kg	price on request			
		2839					

KNO_2 $M = 85{,}10$ g/mol

assay	97 %
iron (Fe)	0,001 %
heavy metals (as Pb)	0,002 %
chloride (Cl)	0,01 %
sulphate (SO_4)	0,02 %



R: 8-25 S: 44
disposal: 16

32313	**Potassium oxalate monohydrate** R. G., Reag. ACS	PF.	250 g	14,25	12,10	11,40	10,7
A -	*Potassium oxalate monohydrate / Potasio oxalato*	PF.	1 kg	43,—	36,55	34,40	33,7
B ./. ./.	*monohidrato*	*2915*					
C 6.1 2449 3	KOOCCOOK · H_2O						

$C_2K_2O_4 \cdot H_2O$ $M = 184{,}23$ g/mol

assay	min. 99,5 %
insoluble in water	max. 0,002 %
pH (5 %, 20 °C)	7,0—8,5
ammonium (NH_4)	max. 0,002 %
iron (Fe)	max. 0,001 %
sodium (Na)	max. 0,02 %
heavy metals (as Pb)	max. 0,001 %
chloride (Cl)	max. 0,001 %
sulphate (SO_4)	max. 0,01 %

R: 21/22 S: 2-24/25
disposal: 8

25413	**Potassium oxalate monohydrate** chem. pure Erg. B. 6	PF.	500 g	14,—	11,90	11,20	10,8
C 6.1 2449 3	*Potassium oxalate monohydrate / Potasio oxalato monohidrato*	PF.	1 kg	25,50	21,70	20,40	19,6
		S.	50 kg	kg	13,—		
		2915					

KOOCCOOK · H_2O

$C_2K_2O_4 \cdot H_2O$ $M = 184{,}24$ g/mol

assay	99 %
pH (5 %, 20 °C)	7,2—8,2
iron (Fe)	0,002 %
heavy metals (as Pb)	0,002 %
chloride (Cl)	0,005 %
sulphate (SO_4)	0,02 %

R: 21/22 S: 2-24/25
disposal: 8

Potassium oxodioxalato titanate see Potassium titanium oxide oxalate

refer explanations

Code-Number RID/ADR GGVE/GGVS IMDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
5179 3.2 1142 2 22 °C	**Potassium palmitate solution 0,1 mol/l** 0,1 N volumetric solution *Potassium palmitate en solution 0,1 mol/l / Potasio palmitato en solución 0,1 mol/l* **1 L ≈ 0,87 kg** R: 11 S: 7-16 disposal: 6	PF. 3819	1 L	29,75	25,30	23,80	22,90
1265 5.1/4B 5.1 1489 2	**Potassium perchlorate** R. G., Reag. ACS *Potassium perchlorate / Potasio perclorato* $KClO_4$ $M = 138,55$ g/mol assay ..... min. 99,5% insoluble in water ..... max. 0,005% pH (1%, 20 °C) ..... 5—7 calcium (Ca) ..... max. 0,005% iron (Fe) ..... max. 0,0005% sodium (Na) ..... max. 0,01% heavy metals (as Pb) ..... max. 0,0005% chloride (Cl) ..... max. 0,003% sulphate (SO_4) ..... max. 0,001% R: 9-22 S: 2-13-22-27 disposal: 16	BL. 2832	500 g	25,25	21,45	20,20	19,45
2614 5.1/4B 5.1 1489 2	**Potassium perchlorate** pure powder *Potassium perchlorate / Potasio perclorato* $KClO_4$ $M = 138,55$ g/mol assay ..... 99,5% iron (Fe) ..... 0,001% heavy metals (as Pb) ..... 0,001% chloride (Cl) ..... 0,02% chloride and chlorate (as Cl) ..... 0,05% sulphate (SO_4) ..... 0,005% R: 9-22 S: 2-13-22-27 disposal: 16	PF. PF. PF. BLT. 2832	500 g 1 kg 5 kg 100 kg	9,— 16,50 62,— price on request	7,65 14,05 51,45	7,20 13,20 48,35	6,95 12,70 46,50
Potassium *meta*-periodate see Potassium tetroxoiodate(VII)							
1404 5.1/9C 5.1 1490 2	**Potassium permanganate** R. G., Reag. ACS, Reag. Ph. Eur. I *Potassium permanganate / Potasio permanganato* $KMnO_4$ $M = 158,03$ g/mol assay ..... min. 99% insoluble in water ..... max. 0,1% loss on drying ..... max. 0,5% iron (Fe) ..... max. 0,002% copper (Cu) ..... max. 0,001% chlorate and chloride (as Cl) ..... max. 0,003% sulphate (SO_4) ..... max. 0,005% total nitrogen (N) ..... max. 0,003% R: 8-22 S: 2 disposal: 16	BL. BL. 2847	500 g 1 kg	23,25 41,25	19,75 35,05	18,60 33,—	17,90 31,75
1318 5.1/9C 5.1 1490 2	**Potassium permanganate** R. G., for determination of mercury *Potassium permanganate / Potasio permanganato* $KMnO_4$ $M = 158,03$ g/mol assay ..... min. 99% insoluble in water ..... max. 0,1% loss on drying ..... max. 0,5% lead (Pb) ..... max. 0,002% iron (Fe) ..... max. 0,002% copper (Cu) ..... max. 0,001% mercury (Hg) ..... max. 0,000005% chloride and chlorate (as Cl) ..... max. 0,003% sulphate (SO_4) ..... max. 0,005% total nitrogen (as N) ..... max. 0,003% R: 8-22 S: 2 disposal: 16	BL. 2847	1 kg	48,75	41,45	39,—	37,55

Code-Number
A) RID/ADR
B) GGVE/GGVS
C) IMDG CODE (GGVSee)

		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
13206	**Potassium permanganate** pure Ph. Eur. I, B. P. 1973, Ph. Franç. IX	BL.	500 g	12,50	10,65	10,—	9,6
A 5.1/9C	*Potassium permanganate / Potasio permanganato*	BL.	1 kg	22,—	18,70	17,60	16,9
C 5.1 1490 2		BL.	2,5 kg	46,75	38,80	36,45	35,0
	$KMnO_4$ $M = 158{,}03$ g/mol	BLT.	50 kg	kg	8,50		
	assay 99,5%	BLT.	5x	kg	8,20		
	loss on drying (105 °C) 0,2%	*2847*					
	insoluble in water 0,2%						
	chloride (Cl) 0,005%						
	sulphate (SO_4) 0,01%						
	R: 8-22 S: 2 disposal: 16						
38136	**$^1/_{500}$ mol Potassium permanganate** FIXANAL® 0,3161 g $KMnO_4$ for 1 L 0,01 N solution	*3819*	1 pack	9,50	8,10	7,60	7,1
	$^1/_{500}$ mol Potassium permanganate / $^1/_{500}$ mol Potasio permanganato						
	ampoule						
38130	**$^1/_{50}$ mol Potassium permanganate** FIXANAL® 3,161 g $KMnO_4$ for 1 L 0,1 N solution	*3819*	1 pack	9,50	8,10	7,60	7,1
	$^1/_{50}$ mol Potassium permanganate / $^1/_{50}$ mol Potasio permanganato						
	ampoule						
35186	**Potassium permanganate solution 0,02 mol/l** 0,1 N volumetric solution Ph. Eur. I	FL. *3819*	1 L	16,50	14,05	13,20	12,7
	Potassium permanganate en solution 0,02 mol/l / Potasio permanganato en solución 0,02 mol/l						
	1 L ≈ 1,00 kg						
35184	**Potassium permanganate solution 0,2 mol/l** 1 N volumetric solution	FL. *3819*	1 L	17,25	14,65	13,80	13,3
	Potassium permanganate en solution 0,2 mol/l / Potasio permanganato en solución 0,2 mol/l						
	1 L ≈ 1,02 kg						
31266	**Potassium peroxodisulphate** R. G.	PF.	250 g	11,75	10,—	9,40	8,8
C 5.1 1492 3	*Potassium peroxodisulfate / Potasio peroxodisulfato*	PF.	500 g	16,50	14,05	13,20	12,7
	$K_2S_2O_8$ $M = 270{,}32$ g/mol	PF.	1 kg	29,—	24,65	23,20	22,3
	assay (iodometric) ..... min. 99%	*2838*					
	insoluble in water ..... max. 0,01%						
	iron (Fe) ..... max. 0,001%						
	manganese (Mn) ..... max. 0,0001%						
	heavy metals (as Pb) ..... max. 0,002%						
	chloride (Cl) ..... max. 0,005%						
31275	**Potassium peroxodisulphate** R. G. (max. 0,001% N)	PF.	250 g	32,25	27,40	25,80	24,2
C 5.1 1492 3	*Potassium peroxodisulfate / Potasio peroxodisulfato*	*2838*					
	$K_2S_2O_8$ $M = 270{,}32$ g/mol						
	assay ..... min. 99%						
	insoluble in water ..... max. 0,01%						
	iron (Fe) ..... max. 0,001%						
	manganese (Mn) ..... max. 0,0001%						
	heavy metals (as Pb) ..... max. 0,002%						
	chloride (Cl) ..... max. 0,005%						
	total nitrogen (N) ..... max. 0,001%						
12615	**Potassium peroxodisulphate**	PF.	1 kg	16,—	13,60	12,80	12,3
C 5.1 1492 3	*Potassium peroxodisulfate / Potasio peroxodisulfato*	PF.	5 kg	59,50	49,40	46,40	44,6
	$K_2S_2O_8$ $M = 270{,}32$ g/mol	S.	50 kg	price on request			
	assay 99%	*2838*					
	iron (Fe) 0,001%						
	manganese (Mn) 0,0005%						
	heavy metals (as Pb) 0,005%						
	chloride (Cl) 0,005%						
14749	**Potassium perrhenate**	FL.	1 g	78,50	66,75	62,80	58,9
	Potassium perrhénate / Potasio perrenato	*2847*					
	$KReO_4$ $M = 289{,}30$ g/mol						

Potassium persulphate see Potassium peroxodisulphate

refer explanations

ode-Number) RID/ADR) GGVE/GGVS) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
4249	***tri*-Potassium phosphate-1-hydrate** chem. pure *tri-Potassium phosphate-1-hydrate / tri-Potasio fosfato-1-hidrato* $K_3PO_4 \cdot H_2O$ $M = 230{,}28$ g/mol assay ..... 95% loss on ignition (800 °C) ..... 13% iron (Fe) ..... 0,002% heavy metals (as Pb) ..... 0,002% chloride (Cl) ..... 0,005% sulphate (SO_4) 0,02%	PF. PF. FTP. *2840*	500 g 1 kg 25 kg	14,25 25,75 price on request	12,10 21,90	11,40 20,60	10,95 19,85
	Potassium phosphate dibasic see *di*-Potassium hydrogen phosphate						
	Potassium phosphate monobasic see Potassium dihydrogen phosphate						
	Potassium phosphate tribasic see *tri*-Potassium phosphate						
	Potassium phthalate acid see Potassium hydrogen phthalate						
11271 4.2 1382 2	**Potassium polysulphide** R. G., granular *Potassium polysulfure / Potasio polisulfuro* assay (as K_2S) ..... min. 42% insoluble in water ..... max. 0,5% total nitrogen (N) ..... max. 0,005% R: 31-34 S: 26 disposal: 9	PF. PF. *2835*	250 g 1 kg	20,50 63,—	17,45 53,55	16,40 50,40	15,40 48,50
12665 4.2 1382 2	**Potassium polysulphide** DAB 6 *Potassium polysulfure / Potasio polisulfuro* assay (as K_2S) ..... 42% R: 31-34 S: 26 disposal: 9	PF. PF. FTP. *2835*	1 kg 5 kg 50 kg	35,— 151,— price on request	29,75 125,35	28,— 117,80	26,95 113,25
12705 4.2 1382 2	**Potassium polysulphide solution** *Potassium polysulfure en solution / Potasio polisulfuro en solución* **1 L ≈ 1,38 kg** R: 31-34 S: 26 disposal: 9	PF. FPF. *2835*	1 kg 70 kg	price on request price on request			
	Potassium pyroantimonate acid see Potassium hexahydroxoantimonate(V)						
	Potassium pyrophosphate see Potassium diphosphate						
	Potassium pyrosulphate see Potassium disulphate						
	Potassium pyrosulphite see Potassium disulphite						
	Potassium rhodanide see Potassium thiocyanate						
	Potassium silicofluoride see Potassium fluorosilicate						
	Potassium silver cyanide see Potassium dicyanoargentate						
	Potassium sodium carbonate see Potassium carbonate—sodium carbonate						
	Potassium sodium tartrate solution according to Fehling see Fehling's solution						

Code-Number
A) RID/ADR
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C) IMDG-CODE (GGVSee)

		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Box
32312	**Potassium sodium tartrate tetrahydrate** R. G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I *Potassium-sodium tartrate tetrahydrate / Potasio y sodio tartrato tetrahydrato* $KOOC(CHOH)_2COONa \cdot 4H_2O$ $C_4H_4KNaO_6 \cdot 4H_2O$ $M = 282{,}22$ g/mol assay ..... 99–102 % insoluble in water ..... max. 0,005 % pH (5 %, 20 °C) ..... 6,5–8,5 ammonium (NH_4) ..... max. 0,001 % calcium (Ca) ..... max. 0,005 % iron (Fe) ..... max. 0,0005 % copper (Cu) ..... max. 0,0005 % heavy metals (as Pb) ..... max. 0,001 % chloride (Cl) ..... max. 0,001 % phosphate (PO_4) ..... max. 0,005 % sulphate (SO_4) ..... passes test reducing substances	PF.	250 g	price on request			
		PF.	500 g	price on request			
		PF.	1 kg	price on request			
		FTP.	50 kg	price on request			
		2916					
17806	**Potassium sodium tartrate tetrahydrate** PURANAL® *Potassium-sodium tartrate tetrahydrate / Potasio y sodio tartrato tetrahidrato* $KOOC(CHOH)_2COONa \cdot 4H_2O$ $C_4H_4KNaO_6 \cdot 4H_2O$ $M = 282{,}22$ g/mol analytical data on request	PF.	5 kg	price on request			
		FTP.	50 kg	price on request			
		2916					
25508	**Potassium sodium tartrate tetrahydrate** cryst. *Potassium-sodium tartrate tetrahydrate / Potasio y sodio tartrato tetrahidrato* $KOOC(CHOH)_2COONa \cdot 4H_2O$ $C_4H_4KNaO_6 \cdot 4H_2O$ $M = 282{,}22$ g/mol assay ..... 99,5 % arsenic (As) ..... 0,0001 % iron (Fe) ..... 0,002 % heavy metals (as Pb) ..... 0,001 % chloride (Cl) ..... 0,004 % sulphate (SO_4) ..... 0,005 % total nitrogen (N) ..... 0,005 %	PF.	500 g	price on request			
		PF.	1 kg	price on request			
		PF.	5 kg	price on request			
		S.	50 kg	price on request			
		2916					
31270	**Potassium sulphate** R. G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I *Potassium sulfate / Potasio sulfato* K_2SO_4 $M = 174{,}26$ g/mol assay ..... min. 99 % insoluble in water ..... max. 0,005 % pH (5 %, 20 °C) ..... 6–8 arsenic (As) ..... max. 0,0001 % calcium (Ca) ..... max. 0,005 % iron (Fe) ..... max. 0,0005 % magnesium (Mg) ..... max. 0,002 % sodium (Na) ..... max. 0,005 % heavy metals (as Pb) ..... max. 0,0005 % chloride (Cl) ..... max. 0,0005 % phosphate (PO_4) ..... max. 0,001 % total nitrogen (N) ..... max. 0,0005 %	PF.	500 g	13,25	11,25	10,60	10,2
		PF.	1 kg	21,75	18,50	17,40	16,7
		PF.	5 kg	92,50	76,80	72,15	69,4
		FTP.	50 kg	kg	10,25		
		2838					
12658	○ **Potassium sulphate** chem. pure DAC *Potassium sulfate / Potasio sulfato* K_2SO_4 $M = 174{,}26$ g/mol assay ..... 99,5 % loss on drying (130 °C) ..... 0,5 % free acid (as H_2SO_4) ..... 0,01 % free alkali (as KOH) ..... 0,01 % ammonium (NH_4) ..... 0,001 % arsenic (As) ..... 0,0002 % calcium (Ca) ..... 0,005 % iron (Fe) ..... 0,0005 % magnesium (Mg) ..... 0,0002 % heavy metals (as Pb) ..... 0,001 % chloride (Cl) ..... 0,002 %	PF.	1 kg	14,—	11,90	11,20	10,8
		PF.	5 kg	47,50	39,45	37,05	35,9
		S.	50 kg	price on request			
		2838					

refer explanations

de-Number RID/ADR GGVE/GGVS MDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
659	**Potassium sulphate** chem. pure fine powder B. P. C. 1949 *Potassium sulfate / Potasio sulfato* K_2SO_4 *M* = 174,26 g/mol assay (dried substance) ..... 99,5% loss on drying ..... 0,5% free alkali (as KOH) ..... 0,02% arsenic (As) ..... 0,0005% iron (Fe) ..... 0,005% heavy metals (as Pb) ..... 0,001% chloride (Cl) 0,01%	PF. S. *2838*	1 kg 50 kg	15,— price on request	12,75	12,—	11,55
2661	**Potassium sulphate** pure powder *Potassium sulfate / Potasio sulfato* K_2SO_4 *M* = 174,26 g/mol assay ..... 99% arsenic (As) ..... 0,0005% iron (Fe) ..... 0,005% heavy metals (as Pb) ..... 0,001% chloride (Cl) 0,02%	PF. S. *2838*	5 kg 50 kg	30,75 price on request	25,50	24,—	23,05
2664	**Potassium sulphite solution** abt. 43%, technical *Potassium sulfite en solution / Potasio sulfito en solución* K_2SO_3 *M* = 158,26 g/mol **1 L ≈ 1,45 kg** assay ..... 42—44% iron (Fe) ..... 0,003% heavy metals (as Pb) 0,003%	FL. BA. *2837*	2,5 L 35 kg	27,75 price on request	23,05	21,65	20,80
	Potassium sulphocyanide see Potassium thiocyanate						
5510	**Potassium tartrate** pure cryst. DAC *Potassium tartrate / Potasio tartrato* $KOOC(CHOH)_2COOK \cdot \frac{1}{2}H_2O$ $C_4H_4K_2O_6 \cdot \frac{1}{2}H_2O$ *M* = 235,28 g/mol assay ..... 99% ammonium (NH_4) ..... 0,001% arsenic (As) ..... 0,0001% calcium (Ca) ..... 0,005% iron (Fe) ..... 0,001% heavy metals (as Pb) ..... 0,001% chloride (Cl) ..... 0,005% sulphate (SO_4) 0,005%	PF. *2916*	500 g	price on request			
	Potassium tartrate, acid see Potassium hydrogen tartrate						
1613 6.1 2811 3	**Potassium tellurite** for bacteriology *Potassium tellurite / Potasio telurito*	WG. WG. WG. *2848*	10 g 25 g 100 g	16,— 29,25 95,50	13,60 24,85 81,20	12,80 23,40 76,40	12,— 21,95 71,65
1620	**Potassium tetraborate-4-hydrate** *Potassium tétraborate-4-hydrate / Potasio tetraborato-4-hidrato* $K_2B_4O_7 \cdot 4H_2O$ *M* = 305,49 g/mol assay ..... 99,5% iron (Fe) ..... 0,002% heavy metals (as Pb) ..... 0,002% chloride (Cl) ..... 0,002% sulphate (SO_4) 0,05%	PF. PF. S. *2846*	1 kg 5 kg 50 kg	16,— 59,50 price on request	13,60 49,40	12,80 46,40	12,30 44,65
?706	**Potassium tetrachloroferrate(II)** *Potassium tétrachloroferrate(II) / Potasio tetracloroferrato(II)* K_2FeCl_4 *M* = 275,86 g/mol	PF. *2846*	1 kg	price on request			
1817 6.1/31A 6.1 1588 1	**Potassium tetracyanomercurate(II)** 47—48% Hg *Potassium tétracyanomercurate(II) / Potasio tetracianomercurato(II)* $K_2[Hg(CN)_4]$ *M* = 382,86 g/mol R: 26/27/28-33 S: 1/2-13-28-45 disposal: 10	PF. PF. *2843*	100 g 1 kg	16,75 126,50	14,25 107,55	13,40 101,20	12,55 97,40

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96 (16 Bo
	Potassium tetracyanoniccolate(II) see Potassium nickel cyanide	PF.	50 g	90,50	76,95	72,40	67,
01740 C 6.1 2811 3	**Potassium tetrafluoroaluminate** *Potassium tétrafluoroaluminate / Potasio tetrafluoroaluminato*	FTP. *2829*	50 kg	price on request			
	Potassium tetrafluoroborate see Potassium fluoroborate						
32329	**Potassium tetroxalate dihydrate** R. G., buffer substance *Potassium tétraoxalate dihydrate / Potasio tetraoxalato dihidrato*	PF. *2915*	100 g	14,75	12,55	11,80	11,
30316 C 5.1 1479 2	**Potassium tetroxoiodate(VII)** R. G. *Potassium tétroxoiodate(VII) / Potasio tetroxoyodato(VII)*	WG.	25 g	9,50	8,10	7,60	7,
		WG.	100 g	25,25	21,45	20,20	18,
		WG. *2832*	250 g	53,—	45,05	42,40	39,
31272	**Potassium thiocyanate** R. G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I *Potassium thiocyanate / Potasio tiocianato*	PF.	250 g	16,—	13,60	12,80	12,
		PF.	1 kg	45,—	38,25	36,—	34,
		FTP. *2844*	50 kg	kg	26,25		

$KAlF_4$ $M = 142{,}07$ g/mol

$KH_3(C_2O_4)_2 \cdot 2H_2O$

$C_4H_3KO_8 \cdot 2H_2O$ $M = 254{,}19$ g/mol

assay	99,5—100,5 %
insoluble in water	max. 0,005 %
ammonium (NH_4)	max. 0,005 %
iron (Fe)	max. 0,001 %
heavy metals (as Pb)	max. 0,002 %
chloride (Cl)	max. 0,001 %
sulphate (SO_4)	max. 0,01 %

R: 21/22 S: 2-24/25
disposal: 8

KJO_4 $M = 230{,}00$ g/mol

assay (iodometric)	min. 99,5 %
insoluble in water	max. 0,01 %
iron (Fe)	max. 0,001 %
manganese (Mn)	max. 0,0001 %
heavy metals (as Pb)	max. 0,001 %
other halogens (as Cl)	max. 0,01 %
iodide (I)	max. 0,001 %
sulphate (SO_4)	max. 0,01 %

KSCN $M = 97{,}18$ g/mol

assay	min. 99 %
insoluble in water	max. 0,005 %
insoluble in ethanol	max. 0,01 %
pH (5 %, 20 °C)	6,0—8,5
ammonium (NH_4)	max. 0,001 %
iron (Fe)	max. 0,0001 %
copper (Cu)	max. 0,0005 %
sodium (Na)	max. 0,005 %
heavy metals (as Pb)	max. 0,0005 %
chloride (Cl)	max. 0,005 %
sulphate (SO_4)	max. 0,001 %
sulphide (S)	max. 0,001 %
substances concuming iodine (as I)	max. 0,025 %

R: 20/21/22-32 S: 2-13
disposal: 8

e-Number D/ADR GVE/GGVS DG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
67	**Potassium thiocyanate** pure Erg. B. 6 *Potassium thiocyanate / Potasio tiocianato* KSCN $M = 97{,}18$ g/mol assay ..... 98,5% ammonium (NH_4) ..... 0,005% iron (Fe) ..... 0,0005% heavy metals (as Pb) ..... 0,001% chloride (Cl) ..... 0,01% sulphate (SO_4) ..... 0,005% sulphide (S) ..... 0,001% R: 20/21/22-32 S: 2-13 disposal: 8	PF. PF. PF. S. *2844*	500 g 1 kg 5 kg 50 kg	17,25 31,25 130,50 price on request	14,65 26,55 108,30	13,80 25,— 101,80	13,30 24,05 97,90
668	**Potassium thiocyanate** technical *Potassium thiocyanate / Potasio tiocianato* KSCN $M = 97{,}18$ g/mol assay ..... 97,5% R: 20/21/22-32 S: 2-13 disposal: 8	PF. PF. S. *2844*	1 kg 5 kg 50 kg	26,75 113,50 price on request	22,75 94,20	21,40 88,55	20,60 85,15
140	**0,1 mol Potassium thiocyanate** FIXANAL® 9,718 g KCNS for 1 L 0,1 N solution *0,1 mol Potassium thiocyanate / 0,1 mol Potasio tiocianato* ampoule	*3819*	1 pack	10,25	8,70	8,20	7,70
669	**Potassium thiosulphate** pure *Potassium thiosulfate / Potasio tiosulfato* $K_2S_2O_3$ $M = 190{,}33$ g/mol assay ..... 98% free alkali (as KOH) ..... 0,02% iron (Fe) ..... 0,002% sulphate (SO_4) ..... 0,5% sulphide (S) 0,001%	PF. PF. *2837*	1 kg 5 kg	30,— 112,50	25,50 93,40	24,— 87,75	23,10 84,40
	Potassium titanium fluoride see Potassium fluorotitanate(IV)						
007	**Potassium titanium oxide oxalate dihydrate** technical *Potassium titanoxyoxalate dihydrate / Potasio titanio óxido oxalato dihidrato* $C_4K_2O_9Ti \cdot 2H_2O$ $M = 354{,}17$ g/mol assay of TiO_2 ..... 20,5% insoluble in water ..... 0,03% chloride (Cl) ..... 0,005% sulphate (SO_4) ..... 0,02% R: 21/22 S: 2-24/25 disposal: 8	PF. S. *2915*	1 kg 50 kg	29,— price on request	24,65	23,20	22,35
273	**Potassium xanthate** R. G. *Potassium xanthate / Potasio xantogenato* $C_3H_5KOS_2$ $M = 160{,}30$ g/mol assay (iodometric) ..... min. 99,5% sulphide (S) ..... passes test	PF. *2931*	250 g	40,25	34,20	32,20	30,20
255 1 2811 3	**Potassium zinc fluoride** *Potassium zinc fluorure / Potasio zinc fluoruro* $KZnF_3$ $M = 161{,}47$ g/mol	PF. *2829*	1 kg	price on request			
	Potassium zirconium fluoride see Potassium fluorozirconate						
013	**PPO** for scintillation (2,5-Diphenyloxazole) $\underline{OC(C_6H_5)=CHN=C}C_6H_5$ $C_{15}H_{11}NO$ $M = 221{,}26$ g/mol melting range ..... 70–72 °C	PF. PF. PF. *2935*	100 g 500 g 1 kg	73,50 305,— 559,—	62,50 259,25 475,15	58,80 244,— 447,20	55,15 234,85 430,45

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
10582	**Praseodymium** powder *Praséodyme / Praseodimio* Pr M = 140,91 g/mol assay 99%	WG. *2805*	1 g	19,—	16,15	15,20	14,2
		WG. *2852*	10 g	81,50	69,30	65,20	61,7
10583 C 6.1 2811 3	**Praseodymium fluoride** *Praséodyme fluorure / Praseodimio fluoruro* PrF_3 M = 197,90 g/mol assay 99%	WG. *2852*	10 g	31,25	26,55	25,—	23,4
10584 C 5.1 1465 3	**Praseodymium nitrate-5-hydrate** *Praséodyme nitrate-5-hydrate / Praseodimio nitrato-5-hidrato* $Pr(NO_3)_3 \cdot 5H_2O$ M = 417,00 g/mol assay 99%	WG. *2852*	10 g	27,75	23,60	22,20	20,8
10585	**Praseodymium oxide** *Praséodyme oxyde / Praseodimio óxido* Pr_6O_{11} M = 1021,44 g/mol assay 99%						
	Precipitate red see Mercury(II) oxide red						
	Precipitate white see Mercury(II) amidchloride						
	Precipitate yellow see Mercury(II) oxide yellow						
	Pre-coated plates see						
20923	**Procaine A** Ph. Eur. I, B. P. 1973, Ph. Franç. IX *Procaïne A / Procaina A* $NH_2C_6H_4COOCH_2CH_2N(CH_2CH_3)_2 \cdot HCl$ $C_{13}H_{21}ClN_2O_2$ M = 272,77 g/mol assay (for dry substance, titration with sodium nitrite) ..... 99% melting range ..... 154—157 °C loss on drying ..... 0,5% sulphated ash ..... 0,1% iron (Fe) ..... 0,001% copper (Cu) ..... 0,0003% heavy metals (as Pb) ..... 0,002% nitrate (NO_3) ..... 0,05% 4-aminobenzoic acid 0,1%	PF. *2923*	1 kg	54,50			
20922	**Procaine P** Ph. Eur. I, B. P. 1973, Ph. Franç. IX *Procaïne P / Procaína P* $NH_2C_6H_4COOCH_2CH_2N(CH_2CH_3)_2 \cdot HCl$ $C_{13}H_{21}ClN_2O_2$ M = 272,77 g/mol assay (for dry substance, titration with sodium nitrite) ..... 99% melting range ..... 154—157 °C loss on drying ..... 0,5% sulphated ash ..... 0,1% iron (Fe) ..... 0,001% copper (Cu) ..... 0,0003% heavy metals (as Pb) ..... 0,002% nitrate (NO_3) ..... 0,05% 4-aminobenzoic acid 0,1%	PF. *2923*	1 kg	49,25			
20927	**Proflavine hemisulphate** B. P. 1968, B. P. C. 1968 *Proflavine hémisulfate / Proflavina hemisulfato* $C_{26}H_{24}N_6O_4S \cdot 2H_2O$ M = 552,61 g/mol assay (for water-free substance, titration with iron(III) cyanide) ..... 98% sulphated ash ..... 0,5% water (according to Karl Fischer) ..... 3—7%	WG. PF. *2935*	1 kg 5 kg	311,— price on request			

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926	**Proflavine monohydrochloride** *Proflavine monochlorhydrate / Proflavina monoclorhidrato* $C_{13}H_{12}ClN_3 \cdot xH_2O$ *M* (anhydrous) = 245,71 g/mol assay (for dry substance, titration with iron(III) cyanide) ..... 98% loss on drying (105 °C) ..... 5% sulphated ash 0,5%	PF. *2935*	1 kg	371,—			
184	**DL-Proline** BIOSYNTH® *DL-Proline / DL-Prolina* $\underline{NH(CH_2)_3CH}COOH$ $C_5H_9NO_2$ *M* = 115,13 g/mol assay (ex N) 98%	FL. *2935*	1 g	12,50	10,65	10,—	9,40
032	**L(-)-Proline** BIOSYNTH® *L(-)-Proline / L(-)-Prolina* $\underline{NH(CH_2)_3CH}COOH$ $C_5H_9NO_2$ *M* = 115,13 g/mol assay (ex N) ..... 99% specific rotation ($[\alpha]_D^{20}$; c = 4 in H_2O) ..... −85° ± 2°	WG. *2935*	10 g	15,50	13,20	12,40	11,65
5867 6.1/81D 6.1 1615 3	**Promecarb** min. 99% PESTANAL® (5-*iso*-Propyl-3-methylphenyl-N-methylcarbamate) $\underline{CH=C[CH(CH_3)_2]=C(CH_3)CH=C}OCONHCH_3$ $C_{12}H_{17}NO_2$ *M* = 207,27 g/mol R: 23/24/25 S: 2-13-44 disposal: 7	FL. *2925*	1 g	28,25	24,—	22,60	21,20
5751	**Prometryne** min. 99% PESTANAL® [2-Methylthio-4,6-bis-(isopropylamino)-1,3,5-triazine] $CH_3S\underline{C=NC[NHCH(CH_3)_2]=NC[NHCH(CH_3)_2]=N}$ $C_{10}H_{19}N_5S$ *M* = 241,36 g/mol	FL. *2931*	1 g	35,75	30,40	28,60	26,80
5908 6.1/83B 6.1 ./. 3	**Propachloro** min. 99% PESTANAL® $C_6H_5N(COCH_2Cl)CH(CH_3)_2$ $C_{11}H_{14}ClNO$ *M* = 208,67 g/mol R: 20/21/22-36 S: 2-13 disposal: 7	FL. *2925*	1 g	25,25	21,45	20,20	18,95
	Propanal see Propionaldehyde						
5920 8/35 8.3 2258 2 40 °C	**1,2-Propanediamine** *Propanediamine-1-2 / 1,2-Propanodiamina* $CH_2(NH_2)CH(NH_2)CH_3$ $C_3H_{10}N_2$ *M* = 74,13 g/mol R: 10-36/37/38 S: 28 disposal: 19	FL. STP. *2922*	1 L 50 kg	32,—	27,20 price on request	25,60	24,65
3137 8/35 8.3 1993 2 47 °C	**1,3-Propanediamine** PROSYNTH® *Propanediamine-1-3 / 1,3-Propanodiamina* $NH_2(CH_2)_3NH_2$ $C_3H_{10}N_2$ *M* = 74,13 g/mol **1 L ≈ 0,89 kg** assay (ex N) ..... 98% boiling range ..... 138—140 °C refractive index (n_D^{20}) 1,458	FL. *2922*	250 ml	14,50	12,35	11,60	10,90

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16033	**1,2-Propanediol** Ph. Eur. I, B. P. 1973, Ph. Franç. IX, U. S. P. XIX *Propanediol-1-2 / 1,2,-Propanodiol* $CH_3CH(OH)CH_2OH$ $C_3H_8O_2$ $M = 76{,}10$ g/mol **1 L ≈ 1,03 kg** assay (GC) ..... 99% boiling range ..... 186—188 °C density (D_4^{20}) ..... 1,035—1,037 refractive index (n_D^{20}) ..... 1,4310—1,4330 sulphated ash ..... 0,005% water (according to Karl Fischer) ..... 0,1% free acid (as CH_3COOH) ..... 0,01% free alkali (as NaOH) ..... 0,008% arsenic (As) ..... 0,0001% heavy metals (as Pb) ..... 0,0005% chloride (Cl) ..... 0,003% sulphate (SO_4) 0,002%		PF. PK. FPF. F. *2904*	1 L 5 L 30 kg 215 kg	24,25 94,50 price on request price on request	20,60 78,45	19,40 73,70	18,6 70,9
60451	**1,3-Propanediol** PROSYNTH® *Propanediol-1-3 / 1,3-Propanodiol* $CH_2OHCH_2CH_2OH$ $C_3H_8O_2$ $M = 76{,}10$ g/mol **1 L ≈ 1,05 kg** assay (GC) ..... 98% boiling range ..... 212—214 °C refractive index (n_D^{20}) 1,440		FL. *2904*	500 ml	80,—	68,—	64,—	61,6
39637	**1,3-Propanediol maleinate** for gas chromatography *1-3-Propanediol maléinate / 1,3-Propanodiol maleinato* $[-OCH_2CH(CH_3)OCOCH=CHCO-]_n$ $(C_7H_8O_4)_n$ $M = (156{,}14)_n$ g/mol working temperature ..... 50 to 200 °C		WG. *3901*	50 g	84,—	71,40	67,20	63,-
64812 A 3/4 +62 °C	**1,2-Propanedithiol** PROSYNTH® *1-2-Propanedithiol / 1,2-Propanoditiol* $CH_3CH(SH)CH_2SH$ $C_3H_8S_2$ $M = 108{,}23$ g/mol **1 L ≈ 1,08 kg** assay (GC) ..... 95% boiling range (at 15 mbar) ..... 41—43 °C refractive index (n_D^{20}) 1,532		FL. *2931*	50 ml	54,—	45,90	43,20	40,5
64813 A 3/4 +62 °C	**1,3-Propanedithiol** PROSYNTH® *1-3-Propanedithiol / 1,3-Propanoditiol* $HS(CH_2)_3SH$ $C_3H_8S_2$ $M = 108{,}23$ g/mol **1 L ≈ 1,08 kg** assay (GC) ..... 97% boiling range (at 15 mbar) ..... 58—60 °C refractive index (n_D^{20}) 1,539		FL. FL. *2931*	50 ml 250 ml	60,— 253,—	51,— 215,05	48,— 202,40	45,- 189,7
65183 A 6.1/61 C 6.1 1593 3	**Propanephosphonic acid anhydride solution** 50% in dichloromethane PROSYNTH® *Anhydride propanephosphonique en solution / Anhîdrido propanofosfónico en solución* $(CH_3CH_2CH_2PO_2)_n$ $(C_3H_7O_2P)_n$ $M = (106{,}06)_n$ g/mol **1 L ≈ 1,32 kg** R: 20 S: 24 disposal: 13		FL. *2934*	100 ml	82,—	69,70	65,60	61,5
63020 A 3/1A C 3.2 2402 2 -9 °C	**1-Propanethiol** PROSYNTH® *Propanethiol-(1) / Propanotiol-(1)* $CH_3CH_2CH_2SH$ C_3H_8S $M = 76{,}16$ g/mol **1 L ≈ 0,84 kg** assay (GC) ..... 98% boiling range ..... 66—68 °C refractive index (n_D^{20}) ..... 1,438 R: 11 S: 9-16-33 disposal: 15		FL. *2931*	100 ml	9,50	8,10	7,60	7,1

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814 /1A .2 2402 2 °C	**2-Propanethiol** PROSYNTH® *2-Propanethiol / 2-Propanotiol* $(CH_3)_2CHSH$ C_3H_8S $M = 76{,}16$ g/mol **1 L ≈ 0,81 kg** assay (GC) ..... 97% boiling range ..... 57—60 °C refractive index (n_D^{20}) ..... 1,425 R: 11 S: 9-16-33 disposal: 15	FL. 2931	500 ml	33,75	28,70	27,—	26,—
	Propane-1,2,3-triol see Glycerol						
	Propanoic acid see Propionic acid						
	***iso*-Propanol** see Propanol-(2)						
	***iso*-Propanol** see Propanol-(2)						
538 .2 1274 2 2°C	**Propanol-(1)** R. G., (propyl alcohol) *Propanol-(1) / Propanol-(1)* $CH_3CH_2CH_2OH$ C_3H_8O $M = 60{,}10$ g/mol **1 L ≈ 0,80 kg** assay (GC) ..... min. 99% boiling range ..... 96—98 °C density (D_4^{20}) ..... 0,804—0,805 refractive index (n_D^{20}) ..... 1,3850—1,3860 water (according to Karl Fischer) ..... max. 0,05% non-volatile matter ..... max. 0,0005% free acid (as C_2H_5COOH) ..... max. 0,001% aldehydes and cetones (as CH_3COCH_3) ....max. 0,03% R: 11 S: 7-16 disposal: 5	FL. 2904	1 L	31,50	26,80	25,20	24,25
		FL.	2,5 L	65,50	54,35	51,10	49,15
		EKL.	25 kg	kg 16,50			
871 .2 1274 2 2°C	**Propanol-(1)** CHROMASOLV® for chromatography (UV-detection) *Propanol-(1) / Propanol-(1)* $CH_3CH_2CH_2OH$ C_3H_8O $M = 60{,}10$ g/mol **1 L ≈ 0,80 kg** assay (GC) ..... min. 99,7% non-volatile matter ..... max. 0,0005% water (according to Karl Fischer) ..... max. 0,05% free acid (as CH_3CH_2COOH) ..... max. 0,001% transmittance (film thickness 1 cm; comparison water) penetration/wave-length (nm): min. 20%/220, min. 80%/240,min. 98%/from 270 R: 11 S: 7-16 disposal: 5	FL. 2904	1 L	price on request			
135 .2 1274 2 °C	**Propanol-(1)** *Propanol-(1) / Propanol-(1)* $CH_3CH_2CH_2OH$ C_3H_8O $M = 60{,}10$ g/mol **1 L ≈ 0,80 kg** assay (GC) ..... 99% boiling range ..... 96—98 °C density (D_4^{20}) ..... 0,804—0,805 refractive index (n_D^{20}) ..... 1,3850—1,3860 non-volatile matter ..... 0,001% water (according to Karl Fischer) ..... 0,05% free acid (as C_2H_5COOH) ..... 0,002% aldehydes and cetones (as CH_3COCH_3) ..... 0,05% R: 11 S: 7-16 disposal: 5	FL.	1 L	21,50	18,30	17,20	16,55
		FL.	2,5 L	43,—	35,70	33,55	32,25
		EKL.	25 kg	kg 6,60			
		EKL.	5x	kg 6,05			
		EKL.	10x	kg 5,75			
		F. 2904	160 kg	kg 5,40			

MERGAL® highly effective preservatives and fungicides

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		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	9 (16 Bo
33539	**Propanol-(2)** R. G., Reag. ACS, Reag. Ph. Eur. I (iso-propyl alcohol)	FL.	1 L	19,—	16,15	14,80	14
A 3/5	*Propanol-(2) / Propanol-(2)*	FL.	2,5 L	38,—	31,55	29,65	28
C 3.2 1219 2	$CH_3CH(OH)CH_3$	EKL.	20 kg	kg	7,70		
+12 °C	C_3H_8O $M = 60{,}10$ g/mol **1 L ≈ 0,78 kg**	EKL.	5x	kg	7,15		
	assay (GC) ..... min. 99,7 %	EKL.	10x	kg	6,75		
	boiling range ..... 81 – 83 °C	*2904*					
	density (D_4^{20}) ..... 0,785 – 0,787						
	refractive index (n_D^{20}) ..... 1,3770 – 1,3780						
	water (according to Karl Fischer) ..... max. 0,1 %						
	light absorption ..... passes test						
	non-volatile matter ..... max. 0,001 %						
	free acid (as C_2H_5COOH) ..... max. 0,002 %						
	free alkali (as NH_3) ..... max. 0,002 %						
	aldehydes and cetones (as CH_3COCH_3) .... max. 0,02 %						
	matters reducing $KMnO_4$ (as O) ..... max. 0,0005 %						
	R: 11 S: 7-16 disposal: 5						
34904	**Propanol-(2)** SPECTRANAL®	FL.	1 L	34,50	29,35	27,60	26
A 3/5	*Propanol-(2) / Propanol-(2)*	FL.	2,5 L	72,—	59,75	56,15	54
C 3.2 1219 2	$CH_3CH(OH)CH_3$	*2904*					
+12 °C	C_3H_8O $M = 60{,}10$ g/mol **1 L ≈ 0,78 kg**						
	assay (GC) ..... min. 99,8 %						
	non-volatile matter ..... max. 0,0005 %						
	water (acc. to Karl Fischer) ..... max. 0,05 %						
	free acid (as CH_3CH_2COOH) ..... max. 0,001 %						
	suitability for UV spectroscopy						
	transmittance (1 cm cell/reference: water)						
	transmittance/wavelength (nm):						
	min. 25 %/210, min. 55 %/220, min. 75 %/230, min. 95 %/250, min. 98 %/from 260						
	suitability for IR spectroscopy ..... passes test						
	R: 11 S: 7-16 disposal: 5						
34863	**Propanol-(2)** CHROMASOLV® for chromatography (UV-detection)	FL.	1 L	21,75	18,50	17,40	16
A 3/5	*Propanol-(2) / Propanol-(2)*	*2904*					
C 3.2 1219 2	$CH_3CH(OH)CH_3$						
+12 °C	C_3H_8O $M = 60{,}10$ g/mol **1 L ≈ 0,78 kg**						
	assay (GC) ..... min. 99,8 %						
	non-volatile matter ..... max. 0,0005 %						
	water (according to Karl Fischer) ..... max. 0,05 %						
	free acid (as CH_3CH_2COOH) ..... max. 0,001 %						
	transmittance (1 cm cell; reference water)						
	transmittance/wavelength (nm):						
	min. 20 %/210, min. 50 %/220, min. 75 %/230, min. 98 %/from 260						
	R: 11 S: 7-16 disposal: 5						
34486	**Propanol-(2)** PESTANAL®	FL.	1 L	26,50	22,55	21,20	20
A 3/5	*Propanol-(2) / Propanol-(2)*	FL.	2,5 L	55,50	46,05	43,30	4
C 3.2 1219 2	$CH_3CHOHCH_3$	*2904*					
12 °C	C_3H_8O $M = 60{,}10$ g/mol **1 L ≈ 0,78 kg**						
	assay (GC) ..... min. 99,7 %						
	non-volatile matter ..... max. 0,0005 %						
	water (according to Karl Fischer) ..... max. 0,1 %						
	suitability for residue analysis:						
	Traceable accompanying substances (GC/ECD) (column 0,5 m, glass capillary Ø 3 mm Silicon TLC 200 on Chromosorb® 100/200) show in the retention volum zones between Pentachlorobenzene, α-HCH, Aldrin and DDT a peak of $< 5 \cdot 10^{-10}$ % ≙ 5 ng/l.						
	R: 11 S 7-16 disposal: 5						

refer explanations

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0	**Propanol-(2) MOS PURANAL® particle class 0** *Propanol-(2) / Propanol-(2)*	FL. *2904*	2,5 L	price on request			
219 2	$CH_3CH(OH)CH_3$						
C	C_3H_8O $M = 60{,}10$ g/mol **1 L ≈ 0,78 kg**						

assay (GC) ..... min. 99,7%
boiling range ..... 81–83 °C
density (D_4^{20}) 0,785–0,787
refractive index (n_D^{20}) 1,3770–1,3780
non-volatile matter ..... max. 5 ppm
water (according to Karl Fischer) ..... max. 1000 ppm
free acid (as CH_3CH_2COOH) ..... max. 10 ppm
aluminium (Al) ..... max. 0,05 ppm
antimony (Sb) ..... max. 0,01 ppm
arsenic (As) ..... max. 0,01 ppm
barium (Ba) ..... max. 0,1 ppm
beryllium (Be) ..... max. 0,01 ppm
lead (Pb) ..... max. 0,02 ppm
boron (B) ..... max. 0,02 ppm
cadmium (Cd) ..... max. 0,01 ppm
calcium (Ca) ..... max. 0,2 ppm
chromium (Cr) ..... max. 0,01 ppm
iron (Fe) ..... max. 0,1 ppm
gallium (Ga) ..... max. 0,02 ppm
gold (Au) ..... max. 0,02 ppm
indium (In) ..... max. 0,02 ppm
potassium (K) ..... max. 0,1 ppm
cobalt (Co) ..... max. 0,01 ppm
copper (Cu) ..... max. 0,01 ppm
lithium (Li) ..... max. 0,02 ppm
magnesium (Mg) ..... max. 0,1 ppm
manganese (Mn) ..... max. 0,01 ppm
molybdenum (Mo) ..... max. 0,01 ppm
sodium (Na) ..... max. 0,2 ppm
nickel (Ni) ..... max. 0,01 ppm
platinum (Pt) ..... max. 0,02 ppm
silver (Ag) ..... max. 0,02 ppm
strontium (Sr) ..... max. 0,02 ppm
thallium (Tl) ..... max. 0,02 ppm
titanium (Ti) ..... max. 0,01 ppm
vanadium (V) ..... max. 0,01 ppm
bismuth (Bi) ..... max. 0,02 ppm
zinc (Zn) ..... max. 0,05 ppm
tin (Sn) ..... max. 0,02 ppm
zirconium (Zr) ..... max. 0,01 ppm
chloride (Cl) ..... max. 1 ppm
sulphate (SO_4) ..... max. 1 ppm
aldehydes and ketones (as CH_3COCH_3) . max. 200 ppm

R: 11 S: 7-16
disposal: 5

PANPEHA® universal indicator paper in strips

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxe
17829 A 3/5 C 3.2 1219 2 +12 °C	**Propanol-(2)** PURANAL® *Propanol-(2) / Propanol-(2)* $CH_3CH(OH)CH_3$ C_3H_8O $M = 60{,}10$ g/mol **1 L ≈ 0,78 kg** assay (GC) ..... min. 99,7% boiling range ..... 81—83° density (D_4^{20}) ..... 0,785—0,787 refractive index (n_D^{20}) ..... 1,3770—1,3780 non-volatile matter ..... max. 5 ppm water (acc. to Karl Fischer) ..... max. 1000 ppm free acid (as CH_3CH_2COOH) ..... max. 10 ppm aluminium (Al) ..... max. 0,05 ppm antimony (Sb) ..... max. 0,01 ppm arsenic (As) ..... max. 0,01 ppm barium (Ba) ..... max. 0,1 beryllium (Be) ..... max. 0,01 ppm lead (Pb) ..... max. 0,02 ppm boron (B) ..... max. 0,02 ppm cadmium (Cd) ..... max. 0,01 ppm calcium (Ca) ..... max. 0,2 ppm chromium (Cr) ..... max. 0,01 ppm iron (Fe) ..... max. 0,1 ppm gallium (Ga) ..... max. 0,02 ppm gold (Au) ..... max. 0,02 ppm indium (In) ..... max. 0,02 ppm potassium (K) ..... max. 0,1 ppm cobalt (Co) ..... max. 0,01 ppm copper (Cu) ..... max. 0,01 ppm lithium (Li) ..... max. 0,02 ppm magnesium (Mg) ..... max. 0,1 ppm manganese (Mn) ..... max. 0,01 ppm molybdenum (Mo) ..... max. 0,01 ppm sodium (Na) ..... max. 0,2 ppm nickel (Ni) ..... max. 0,01 ppm platinum (Pt) ..... max. 0,02 ppm silver (Ag) ..... max. 0,02 ppm strontium (Sr) ..... max. 0,02 ppm thallium (Tl) ..... max. 0,02 ppm titanium (Ti) ..... max. 0,01 ppm vanadium (V) ..... max. 0,01 ppm bismuth (Bi) ..... max. 0,02 ppm zinc (Zn) ..... max. 0,05 ppm tin (Sn) ..... max. 0,02 ppm zirconium (Zr) ..... max. 0,02 ppm chloride (Cl) ..... max. 1 ppm sulphate (SO_4) ..... max. 1 ppm aldehydes and ketone (as CH_3COCH_3) .. max. 200 ppm R: 11 S: 7-16 disposal: 5	FL. EKL. *2904*	2,5 L 20 kg	price on request price on request			
24137 A 3/5 C 3.2 1219 2 +12 °C	**Propanol-(2)** DAC *Propanol-(2) / Propanol-(2)* $CH_3CH(OH)CH_3$ C_3H_8O $M = 60{,}10$ g/mol **1 L ≈ 0,78 kg** assay (GC) ..... 99,5% boiling range ..... 81—83 °C density (D_4^{20}) ..... 0,785—0,787 refractive index (n_D^{20}) ..... 1,3770—1,3780 non-volatile matter ..... 0,002% water (according to Karl Fischer) ..... 0,2% free acid (as CH_3CH_2COOH) ..... 0,002% heavy metals (as Pb) ..... 0,00002% aldehydes and cetones (as CH_3COCH_3) ..... 0,05% R: 11 S: 7-16 disposal: 5	FL. FL. EKL. EKL. EKL. EKL. F. *2904*	1 L 2,5 L 20 kg 5x 10x 25x 160 kg	17,50 35,25 kg kg kg kg kg	14,90 29,25 5,80 5,40 5,10 4,90 4,40	13,65 27,50	12, 26,
09070 A 3/5 C 3.2 1219 2 +12 °C	**Propanol-(2)-d_8** deuteration degree not less than 99 atom% D *Propanol-(2)-d_8 / Propanol-(2)-d_8* $CD_3CD(OD)CD_3$ C_3D_8O $M = 68{,}03$ g/mol **1 L ≈ 0,92 kg** R: 11 S: 7-16 disposal: 5	A. *2851*	5 ml	65,50	55,70	52,40	49

refer explanations

de-Number ID/ADR GVE/GGVS MDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	2-Propanon see Acetone						
262 .1/13A .3 1986 2 C	**Propargyl alcohol** PROSYNTH® *Alcool propargylique / Alcohol propargílico* $HC \equiv CCH_2OH$ C_3H_4O $M = 56{,}06$ g/mol **1 L ≈ 0,95 kg** assay (GC) ..... 99% boiling range ..... 112—114 °C refractive index (n_D^{20}) ..... 1,432 R: 11-36/37/38 S: 9-16-29 disposal: 6	FL. *2904*	500 ml	39,75	33,80	31,80	30,60
808	**Propazine** min. 99% PESTANAL® [2,4-Bis-(isopropylamino)-6-chloro-1,3,5-triazine] $ClC=NC[NHCH(CH_3)_2]=NC[NHCH(CH_3)_2]=N$ $C_9H_{16}ClN_5$ $M = 229{,}71$ g/mol	FL. *2935*	1 g	28,25	24,—	22,60	21,20
	2-Propene-(1,2)-dicarboxylic acid see Itaconic acid						
	Propene-(2)-ol-(1) see Allyl alcohol						
	Propene-(1)-thiol-(3) see Allylmercaptan						
	1-Propene-(1,2,3)-tricarboxylic acid see *trans*-Aconitic acid						
	Propenoic acid see Acrylic acid						
	Propenol see Allyl alcohol						
601 /1A .2 2403 2 5 °C	*iso*-**Propenyl acetate** PROSYNTH® *iso-Propényle acétate / iso-Propenilo acetato* $CH_3COOC(CH_3)=CH_2$ $C_5H_8O_2$ $M = 100{,}12$ g/mol **1 L ≈ 0,92 kg** assay (GC) ..... 99% boiling range ..... 94—97 °C refractive index (n_D^{20}) ..... 1,401 R: 11 S: 16-23-29-33 disposal: 6	FL. *2914*	1 L	31,50	26,80	25,20	24,25
	Propenyl chloride see 1-Chloropropene-(1)						
	iso-**Propenyl chloride** see 2-Chloropropene-(1)						
784	**Propham (IPC)** min. 99% PESTANAL® (Isopropyl-N-phenylcarbamate) $C_6H_5NHC(O)OCH(CH_3)_2$ $C_{10}H_{13}NO_2$ $M = 179{,}22$ g/mol	Fl. *2921*	1 g	28,25	24,—	22,60	21,20
	Propine-(2)-ol-(1) see Propargyl alcohol						
	Propinic acid see Propiolic acid						
021 /21 1760 2 4 °C	**Propiolic acid** PROSYNTH® *Acide propiolique / Acido propiólico* $HC \equiv CCOOH$ $C_3H_2O_2$ $M = 70{,}05$ g/mol **1 L ≈ 1,14 kg** assay (alkalimetric) ..... 98% boiling range (at 67 mbar) ..... 82—84 °C refractive index (n_D^{20}) 1,432	FL. *2914*	25 ml	83,—	70,55	66,40	62,25
032 /1A 2 1275 2 C	**Propionaldehyde** *Aldéhyde propionique / Propionaldehido* CH_3CH_2CHO C_3H_6O $M = 58{,}08$ g/mol **1 L ≈ 0,81 kg** assay (GC) ..... 98% boiling range ..... 47—48 °C density (D_4^{20}) ..... 0,803—0,805 refractive index (n_D^{20}) ..... 1,3620—1,3630 R: 11-36/37/38 S: 9-16-29 disposal: 14	FL. *2911*	1 L	23,25	19,75	18,60	17,90

PEHANAL® universal indicator paper in rolls

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63022	**Propionamide** PROSYNTH® *Propionamide / Propionamida* $CH_3CH_2CONH_2$ C_3H_7NO $M = 73,09$ g/mol assay (ex N) ..... 97 % melting range ..... 76–79 °C	PF. *2925*	100 g	41,25	35,05	33,—	30,9
27747 A 8/21D C 8 1848 3 +54 °C	**Propionic acid** *Acide propionique / Acido propiónico* CH_3CH_2COOH $C_3H_6O_2$ $M = 74,08$ g/mol **1 L ≈ 0,99 kg** assay ..... 99,5 % residue on ignition ..... 0,01 % iron (Fe) ..... 0,0005 % heavy metals (as Pb) ..... 0,0005 % chloride (Cl) ..... 0,0005 % R: 34 S: 2-23-26 disposal: 21	PF. PF. STP. *2914*	1 L 2,5 L 25 kg	17,25 36,25	14,65 30,10 price on request	13,80 28,30	13,2 27,2
	Propionic acid amide see Propionamide						
63024 A 8/21D C 8 2496 3 +74 °C	**Propionic anhydride** PROSYNTH® *Anhydride propionique / Anhídrido propiónico* $(CH_3CH_2CO)_2O$ $C_6H_{10}O_3$ $M = 130,14$ g/mol **1 L ≈ 1,01 kg** assay (GC) ..... 97 % boiling range ..... 167–169 °C refractive index (n_D^{20}) ..... 1,404 R: 34 S: 26 disposal: 21	FL. *2914*	1 L	35,—	29,75	28,—	26,9
63023 A 6.1/2B C 3.2 2404 2 +2 °C	**Propionitrile** PROSYNTH® *Propionitrile / Propionitrilo* CH_3CH_2CN C_3H_5N $M = 55,08$ g/mol **1 L ≈ 0,78 kg** assay (GC) ..... 99 % boiling range ..... 95–97 °C refractive index (n_D^{20}) ..... 1,366 R: 11-23/24/25 S: 16-27-44 disposal: 15	FL. *2927*	1 L	44,75	38,05	35,80	34,4
	Propionylbenzene see Propiophenone						
63025 A 3/4 +88 °C	**Propiophenone** PROSYNTH® *Propiophénone / Propiofenona* $C_6H_5COC_2H_5$ $C_9H_{10}O$ $M = 134,18$ g/mol **1 L ≈ 1,01 kg** assay (GC) ..... 99 % boiling range ..... 216–218 °C refractive index (n_D^{20}) 1,526	FL. *2913*	1 L	71,—	60,35	56,80	54,1
	3-Propylacroleine see Hexene-(2)-al-(1)						
	iso-**Propyl alcohol** see Propanol-(2)						
	n-**Propyl alcohol** see Propanol-(1)						
	Propyl alcohol *secondary* see Propanol-(2)						
63026 A 3/5 C 3.1 1277 2 -37 °C	*n*-**Propylamine** PROSYNTH® *n-Propylamine / n-Propilamina* $CH_3CH_2CH_2NH_2$ C_3H_9N $M = 59,11$ g/mol **1 L ≈ 0,72 kg** assay (GC) ..... 99 % boiling range ..... 47–49 °C refractive index (n_D^{20}) ..... 1,389 R: 11-36/37 S: 16-26-29 disposal: 19	FL. *2922*	1 L	42,75	36,35	34,20	32,4

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5688 3/5 3.1 1221 1 7 °C	***iso*-Propylamine, mono** anhydrous *iso-Propylamine, mono / iso-Propilamina, mono* $(CH_3)_2CHNH_2$ C_3H_9N $M = 59{,}11$ g/mol **1 L ≈ 0,69 kg** R: 12-36/37/38 S: 16-26-29 disposal: 19	FL. EKL. *2922*	1 L 20 kg	20,75	17,65	16,60	16,—
				price on request			
5657 3/5 3.1 1221 1 8 °C	***iso*-Propylamine solution** abt. 70% *iso-Propylamine en solution / iso-Propilamina en solución* $(CH_3)_2CHNH_2$ C_3H_9N $M = 59{,}11$ g/mol **1 L ≈ 0,81 kg** R: 12-36/37/38 S: 16-26-29 disposal: 19	FL. *2922*	1 L	18,75	15,95	15,—	14,45
5170 6.1/21P 6.1 2810 2 92 °C	**4-*iso*-Propylaniline** PROSYNTH® *iso-Propyl-4-aniline / 4-iso-Propilanilina* $(CH_3)_2CHC_6H_4NH_2$ $C_9H_{13}N$ $M = 135{,}21$ g/mol **1 L ≈ 0,99 kg** assay (GC) ..... 99% boiling range (at 993 mbar) ..... 225—227 °C refractive index (n_D^{20}) ..... 1,543 R: 23/24/25-33 S: 28-37-44 disposal: 19	FL. *2922*	100 ml	35,—	29,75	28,—	26,25
0477 3/4 68 °C	**4-Propylbenzaldehyde** PROSYNTH® *Propyl-4-benzaldéhyde / 4-Propilbenzaldehído* $CH_3CH_2CH_2C_6H_4CHO$ $C_{10}H_{12}O$ $M = 148{,}20$ g/mol **1 L ≈ 0,97 kg** assay (GC) ..... 99% boiling range ..... 112—114 °C	FL. FL. *2911*	25 ml 1 L	213,—	181,05	170,40	159,75
				5472,—	4651,20	4377,60	4213,45
3027 3/4 97 °C	**4-*iso*-Propylbenzaldehyde** PROSYNTH® *iso-Propyl-4-benzaldéhyde / 4-iso-Propilbenzaldehido* $(CH_3)_2CHC_6H_4CHO$ $C_{10}H_{12}O$ $M = 148{,}20$ g/mol **1 L ≈ 0,98 kg** assay (GC) 90%	FL. *2911*	100 ml	29,—	24,65	23,20	21,75
3028 3/3 3.3 2364 2 39 °C	***n*-Propylbenzene** PROSYNTH® *n-Propylbenzène / n-Propilbenceno* $C_6H_5CH_2CH_2CH_3$ C_9H_{12} $M = 120{,}19$ g/mol **1 L ≈ 0,86 kg** assay (GC) ..... 99% boiling range ..... 157—159 °C refractive index (n_D^{20}) ..... 1,492 R: 10-37 disposal: 6	FL. *2901*	100 ml	16,75	14,25	13,40	12,55
	***iso*-Propylbenzene** see Cumene						
0139	***iso*-Propyl-β-bromallylbarbituric acid** DAB 7 *Acide iso-propyl-β-bromallylbarbiturique / Acido iso-propil-β-bromalilbarbitúrico* $C_{10}H_{13}BrN_2O_3$ $M = 289{,}13$ g/mol R: 20/21/22 S: 28 disposal: 21	PF. FTP. *2925*	100 g 25 kg	35,—	29,75	28,—	26,25
				price on request			
	***iso*-Propyl bromide** see 2-Bromopropane						
	***n*-Propyl bromide** see 1-Bromopropane						

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02890 A 3/4 C 3.3 1993 +60 °C	***iso*-Propyl 2-bromo-*iso*-butyrate** *iso-Propyle bromo-2-iso-butyrate / iso-Propilo 2-bromo-iso-butirato* $(CH_3)_2CBrCOOCH(CH_3)_2$ $C_7H_{13}BrO_2$ M = 209,08 g/mol **1 L ≈ 1,24 kg** assay (GC) ..... 99% boiling range (at 25 mbar) ..... 68–70 °C refractive index (n_D^{20}) 1,438	FL. 2914	100 ml	75,–	63,75	60,–	56
	Propyl chloride see 1-Chloropropane						
	Propyl cyanide see Butyronitrile						
	***iso*-Propyl cyanide** see Isobutyronitrile						
64818 A 8/35 C 8 1719 2	**N-*iso*-Propylcyclohexylamine** PROSYNTH® *N-iso-Propylcyclohexylamine / N-iso-Propilciclohexilamina* $(CH_3)_2CHNHCH(CH_2)_4CH_2$ $C_9H_{19}N$ M = 141,26 g/mol **1 L ≈ 0,84 kg** assay (GC) ..... 98% boiling range (at 16 mbar) ..... 62–64 °C refractive index (n_D^{20}) 1,448	FL. 2922	100 ml	35,–	29,75	28,–	26
39385	**2',3'-O-*iso*-Propyleneadenosine** BIOSYNTH® *2'-3'-O-iso-Propylèneadénosine / 2',3'-O-iso-Propilidenadenosina* $C_{13}H_{17}N_5O_4$ M = 307,31 g/mol	FL. 2935	1 g	28,25	24,–	22,60	21
	Propylene bromide see 1,2-Dibromopropane						
34492	**Propylene carbonate** PESTANAL® *Propylène carbonate / Propileno carbonato* $OCH(CH_3)CH_2OCO$ $C_4H_6O_3$ M = 102,09 g/mol **1 L ≈ 1,20 kg** R: 36/38 S: 2-26 disposal: 6	FL. 2921	1 L	123,50	105,–	98,80	95
60264	**Propylene carbonate** PROSYNTH® *Propylène carbonate / Propileno carbonato* $OCH(CH_3)CH_2OCO$ $C_4H_6O_3$ M = 102,09 g/mol **1 L ≈ 1,20 kg** assay (GC) ..... 99% boiling range ..... 241–243 °C refractive index (n_D^{20}) ..... 1,422 R: 36/38 S: 2-26 disposal: 6	PF. 2921	500 ml	17,75	15,10	14,20	13
	Propylenediamine see 1,2-Propanediamine						
	Propylene glycol see Propanediol						
	Propylene mercaptan see 1,2-Propanedithiol						
60497	**N,N'-Propylene urea** PROSYNTH® *N-N'-Propylène urée / N,N'-Propileno urea* $NHCONHCH_2CH_2CH_2$ $C_4H_8N_2O$ M = 100,12 g/mol assay (ex N) ..... 98% melting range ..... 262–265 °C	PF. 2935	500 g	62,–	52,70	49,60	4
	***iso*-Propyl ether** see Di-*iso*-propyl ether						
	Propylethylene see Pentene-(1)						

refer explanations

e-Number /ADR VE/GGVS DG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
65 A 1993 2	***n*-Propyl formate** PROSYNTH® *n-Propyle formiate / n-Propilo formiato* $HCOOCH_2CH_2CH_3$ $C_4H_8O_2$ $M = 88{,}11$ g/mol **1 L ≈ 0,90 kg** assay (GC) ..... 98% boiling range ..... 80—82 °C refractive index (n_D^{20}) ..... 1,378 R: 11 S: 9-16-33 disposal: 6	FL. 2914	100 ml	20,25	17,20	16,20	15,20
17	**Propyl gallate** PROSYNTH® *Propyle gallate / Propilo galato* $(HO)_3C_6H_2COOCH_2CH_2CH_3$ $C_{10}H_{12}O_5$ $M = 212{,}20$ g/mol assay (HPLC) ..... 98% melting range ..... 147—149 °C	PF. 2916	100 g	30,75	26,15	24,60	23,05
32	**Propyl 4-hydroxybenzoate** PROSYNTH® *Propyle 4-hydroxybenzoate / Propilo 4-hidroxibenzoato* $HOC_6H_4COOCH_2CH_2CH_3$ $C_{10}H_{12}O_3$ $M = 180{,}20$ g/mol assay ..... 99% melting range ..... 95—97 °C	WG. 2916	250 g	33,25	28,25	26,60	24,95
	***iso*-Propyl iodide** see 2-Iodopropane						
	***n*-Propyl iodide** see 1-Iodopropane						
	Propylmercaptan see Propanethiol-(1)						
76	***iso*-Propyl myristate** PROSYNTH® *iso-Propyle myristate / iso-Propilo miristato* $CH_3(CH_2)_{12}COOCH(CH_3)_2$ $C_{17}H_{34}O_2$ $M = 270{,}45$ g/mol **1 L ≈ 0,85 kg** assay (GC) ..... 93% boiling range (at 27 mbar) ..... 188—191 °C refractive index (n_D^{20}) 1,434	FL. 2914	1 L	33,—	28,05	26,40	25,40
89 1A 2 1993 2 C	***iso*-Propyl nitrite** PROSYNTH® stabilized *iso-Propyle nitrite / iso-Propilo nitrito* $(CH_3)_2CHONO$ $C_3H_7NO_2$ $M = 89{,}09$ g/mol **1 L ≈ 0,86 kg** assay (GC) ..... 95% boiling range ..... 39—41 °C refractive index (n_D^{20}) ..... 1,352 keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 11 S: 9-16-33 disposal: 20	FL. 2921	250 ml	63,—	53,55	50,40	47,25
11	***iso*-Propylphenazone** *iso-Propylphénazone / iso-Propilfenazona* $C_{14}H_{18}N_2O$ $M = 230{,}31$ g/mol	PF. 2935	1 kg	81,50	69,30	65,20	62,75
83 4	**4-Propylpyridine** PROSYNTH® *4-Propylpyridine / 4-Propilpiridina* $N{=}CHCH{=}C(CH_2CH_2CH_3)CH{=}CH$ $C_8H_{11}N$ $M = 121{,}18$ g/mol **1 L ≈ 0,92 kg** assay (GC) ..... 93% boiling range (at 27 mbar) ..... 76—79 °C refractive index (n_D^{20}) 1,496	FL. 2935	25 ml	32,50	27,65	26,—	24,40
30	**4-Propyl-2-thiouracil** PROSYNTH® *4-Propyl-2-thiouracile / 4-Propil-2-tiouracilo* $CH_3CH_2CH_2C{=}CHCONHCSNH$ $C_7H_{10}N_2OS$ $M = 170{,}23$ g/mol assay (argentometric) ..... 98% melting range ..... 218—220 °C	PF. 2935	100 g	86,50	73,55	69,20	64,90

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	Propyl 3,4,5-trihydroxybenzoate see Propyl gallate						
	PROSYNTH® Chemicals for organic synthesis, complete range see appendix						
	Protocatechualdehyde see 3,4-Dihydroxybenzaldehyde						
	Protocatechualdehydemethylene ether bisulphite see Heliotropin bisulphite						
	Protocatechuic acid see 3,4-Dihydroxybenzoic acid						
64821	**Protoporphyrin IX dimethyl ester** PROSYNTH® *Protoporphyrine IX, ester diméthylique / Protoporfirina IX, ester dimetílico* package of 100 mg $C_{36}H_{38}N_4O_4$ $M = 590{,}72$ g/mol assay (ex N) ..... 98% melting range ..... 221–223 °C (disint.)	*2935*	**1 pack**	48,—	40,80	38,40	36,-
56055 A 3/3 C 3.3 1993 2 43 °C	**Pseudocumene** for scintillation *Pseudocumène / Pseudocumeno* $C_6H_3(CH_3)_3$ C_9H_{12} $M = 120{,}19$ g/mol **1 L ≈ 0,86 kg** R: 10-36/37/38 S: 28 disposal: 6	FL. *2901*	**1 L**	28,75	24,45	23,—	22,1
15339 A 3/3 C 3.3 1993 2 +43 °C	**Pseudocumene** *Pseudocumène / Pseudocumeno* $C_6H_3(CH_3)_3$ C_9H_{12} $M = 120{,}19$ g/mol **1 L ≈ 0,86 kg** boiling range ..... 165–169 °C density (D_4^{20}) ..... 0,875–0,877 refractive index (n_D^{20}) ..... 1,5040–1,5055 R: 10-36/37/38 S: 28 disposal: 6	FL. *2901*	**1 L**	22,—	18,70	17,60	16,9
	Pseudocumidine see 2,4,5-Trimethylaniline						
31802	**Pumice stone** R. G. *Pierre ponce / Piedra pómez*	PF. *2513*	500 g 1 kg	14,25 25,75	12,10 21,90	11,40 20,60	10,9 19,8
	PURANAL® We supply under the registered trade-mark PURANAL® chemicals of exceptional purity for special applications in the optical and electronic industries see respective article.						
39186	**Purine** BIOSYNTH® *Purine / Purina* $C_5H_4N_4$ $M = 120{,}12$ g/mol assay (ex N) ..... 98% melting range ..... 215–217 °C	FL. *2935*	**1 g**	76,50	65,05	61,20	57,4
	Putrescine see Tetramethylenediamine						
16540	**PVP Iodine 17/12** U.S.P. XIX (Polyvinylpyrrilidone iode complex) *PVP Iode 17/12 / PVP Yodo 17/12*	FL. *2935*	**10 g**	price on request			
	Pyoktanin see Gentian Violet						
63031	**Pyrazine** PROSYNTH® *Pyrazine / Piracina* $N{=}CHCH{=}NCH{=}CH$ $C_4H_4N_2$ $M = 80{,}09$ g/mol assay (GC) ..... 99% melting range ..... 52–54 C	FL. *2935*	**1 g**	7,75	6,60	6,20	5,8

refer explanations

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498	**Pyrazinecarboxamide** PROSYNTH® *Pyrazinecarboxamide / Piracincarboxamida* CH=NCH=CHN=CCONH$_2$ $C_5H_5N_3O$ M = 123,11 g/mol assay (ex N) ..... 99% melting range ..... 189–191 °C	WG. 2935	10 g	13,75	11,70	11,—	10,30
4822	**2-Pyrazinecarboxylic acid** PROSYNTH® *Acide pyrazinecarboxylique-2 / Acido 2-piracincarboxílico* CH=NCH=CHN=CCOOH $C_5H_4N_2O_2$ M = 124,10 g/mol assay (alkalimetric) ..... 98% melting range ..... 222–225 °C (disint.)	WG. 2935	25 g	30,—	25,50	24,—	22,50
4823	**2,3-Pyrazinedicarboxylic acid** PROSYNTH® *Acide pyrazinedicarboxylique-2-3 / Acido 2,3-piracindicarboxílico* N=CHCH=NC(COOH)=CCOOH $C_6H_4N_2O_4$ M = 168,11 g/mol assay (alkalimetric) ..... 99% melting range ..... 186–188 °C (disint.)	WG. 2935	25 g	price on request			
3032	**Pyrazole** PROSYNTH® *Pyrazole / Pirazol* NHN=CHCH=CH $C_3H_4N_2$ M = 68,08 g/mol assay (GC) ..... 98% melting range ..... 66–69 °C	WG. 2935	10 g	18,—	15,30	14,40	13,50
3033	**Pyrene** PROSYNTH® *Pyrène / Pireno* $C_{16}H_{10}$ M = 202,26 g/mol	PF. 2901	100 g	32,25	27,40	25,80	24,20
3733	**Pyridazine** PROSYNTH® *Pyridazine / Piridacino* N=NCH=CHCH=CH $C_4H_4N_2$ M = 80,09 g/mol assay (GC) ..... 98% boiling range ..... 206–208 °C refractive index (n_D^{20}) 1,523	FL. 2935	5 g	14,75	12,55	11,80	11,05
3597	**3,6-Pyridazinediol** PROSYNTH® *3-6-Pyridazinediol / 3,6-Piridacindiol* HNCOCH=CHCONH $C_4H_4N_2O_2$ M = 112,09 g/mol assay (alkalimetric) ..... 98% melting range ..... 299–301 °C (disint.)	WG. 2929	250 g	31,75	27,—	25,40	23,80
4824	**2,2'-Pyridil** PROSYNTH® *2-2'-Pyridil / 2,2'-Piridil* N=CHCH=CHCH=CCOCOC=CHCH=CHCH=N $C_{12}H_8N_2O_2$ M = 212,21 g/mol assay (GC) ..... 97% melting range ..... 152–154 °C	WG. 2935	100 g	133,—	113,05	106,40	99,75
	Pyridilmethanol see (Hydroxymethyl)-pyridine						
9078 3/5 3.2 1282 2 17 °C	**Pyridine-d_5** deuteration degree not less than 99,8 atom %D *Pyridine-d_5 / Piridina-d_5* N=CDCD=CDCD=CD C_5D_5N M = 84,06 g/mol 1 L ≈ 1,05 kg R: 11-20/21/22 S: 26-28 disposal: 19	A. 2851	10 ml	330,—	280,50	264,—	247,50

POLYPEHA® universal and special indicator papers in strips

Code-Number
A) RID/ADR
B) GGVE/GGVS
C) IMDG CODE (GGVSee)

		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
34945	**Pyridine** R. G. dried (max. 0,01% H_2O), Reag. Ph. Eur. I	FL. *2935*	1 L	74,—	62,90	59,20	57,—
A 3/5	*Pyridine / Piridina*						
C 3.2 1282 2	$N=CHCH=CHCH=CH$						
+17 °C	C_5H_5N M = 79,10 g/mol — **1 L ≈ 0,98 kg**						
	assay (GC) ..... min. 99,5%						
	boiling range ..... 114—116 °C						
	density (D_4^{20}) ..... 0,981—0,983						
	refractive index (n_D^{20}) ..... 1,5090—1,5100						
	non-volatile matter ..... max. 0,005%						
	water (according to Karl Fischer) ..... max. 0,01%						
	ammonia (NH_3) ..... max. 0,001%						
	aluminium (Al) ..... max. 0,00005%						
	barium (Ba) ..... max. 0,00001%						
	lead (Pb) ..... max. 0,00001%						
	boron (B) ..... max. 0,000002%						
	cadmium (Cd) ..... max. 0,000005%						
	calcium (Ca) ..... max. 0,00005%						
	chromium (Cr) ..... max. 0,000002%						
	iron (Fe) ..... max. 0,00001%						
	cobalt (Co) ..... max. 0,000002%						
	copper (Cu) ..... max. 0,000002%						
	magnesium (Mg) ..... max. 0,00001%						
	manganese (Mn) ..... max. 0,000002%						
	nickel (Ni) ..... max. 0,000002%						
	zinc (Zn) ..... max. 0,00001%						
	tin (Sn) ..... max. 0,00001%						
	chloride (Cl) ..... max. 0,0005%						
	sulphate (SO_4) ..... max. 0,0005%						
	$KMnO_4$ red. matters (as O) ..... max. 0,0005%						
	2-picoline ..... max. 0,2%						
	piperidine ..... max. 0,01%						
	R: 11-20/21/22 S: 26-28 disposal: 19						
33553	**Pyridine** R. G., Reag. ACS, Reag. Ph. Eur. I	FL.	500 ml	34,25	29,10	27,40	26,35
A 3/5	*Pyridine / Piridina*	FL. *2935*	1 L	58,—	49,30	45,25	42,90
C 3.2 1282 2	$N=CHCH=CHCH=CH$						
+17 °C	C_5H_5N M = 79,10 g/mol — **1 L ≈ 0,98 kg**						
	assay (GC) ..... min. 99,5%						
	boiling range ..... 114—116 °C						
	density (D_4^{20}) ..... 0,981—0,983						
	refractive index (n_D^{20}) ..... 1,5090—1,5100						
	non-volatile matter ..... max. 0,002%						
	water (according to Karl Fischer) ..... max. 0,1%						
	ammonia (NH_3) ..... max. 0,001%						
	barium (Ba) ..... max. 0,00001%						
	lead (Pb) ..... max. 0,00001%						
	boron (B) ..... max. 0,000002%						
	cadmium (Cd) ..... max. 0,000005%						
	calcium (Ca) ..... max. 0,00005%						
	chromium (Cr) ..... max. 0,000002%						
	iron (Fe) ..... max. 0,00001%						
	cobalt (Co) ..... max. 0,00002%						
	copper (Cu) ..... max. 0,000002%						
	magnesium (Mg) ..... max. 0,00001%						
	maganese (Mn) ..... max. 0,000002%						
	nickel (Ni) ..... max. 0,000002%						
	zinc (Zn) ..... max. 0,00001%						
	tin (Sn) ..... max. 0,00001%						
	chloride (Cl) ..... max. 0,0005%						
	sulphate (SO_4) ..... max. 0,0005%						
	$KMnO_4$ reducing matters (as O) ..... max. 0,0005%						
	2-picoline ..... max. 0,2%						
	piperidine ..... max. 0,01%						
	R: 11-20/21/22 S: 26-28 disposal: 19						
30848	**Pyridine** min. 99,9% for gas chromatography	FL. *2935*	5 ml	49,25	41,85	39,40	36,95
A 3/5	*Pyridine / Piridina*						
C 3.2 1282 2	$N=CHCH=CHCH=CH$						
+17 °C	C_5H_5N M = 79,10 g/mol — **1 L ≈ 0,98 kg**						
	R: 11-20/21/22 S: 26-28 disposal: 19						

refer explanations

ode-Number RID/ADR GGVE/GGVS IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
4909 3/5 3.2 1282 2 -17 °C	**Pyridine SPECTRANAL®** *Pyridine / Piridina* N=CHCH=CHCH=CH C_5H_5N *M* = 79,10 g/mol **1 L ≈ 0,98 kg** assay (GC) ..... min. 99,7% non-volatile matter ..... max. 0,001% water (acc. to Karl Fischer) ..... max. 0,05% suitability for UV spectroscopy transmittance (1 cm cell/reference: water) transmittance/wavelength (nm): min. 20%/305, min. 65%/310, min. 87%/330, min. 98%/from 340 suitability for IR spectroscopy ..... passes test R: 11-20/21/22 S: 26-28 disposal: 19	FL. *2935*	500 ml	61,—	51,85	48,80	46,95
16037 A 3/5 C 3.2 1282 2 +17 °C	**Pyridine chem. pure Erg. B. 6** *Pyridine / Piridina* N=CHCH=CHCH=CH C_5H_5N *M* = 79,10 g/mol **1 L ≈ 0,98 kg** assay (GC) ..... 99,5% boiling range ..... 114—116 °C density (D_4^{20}) ..... 0,980—0,983 refractive index (n_D^{20}) ..... 1,5080—1,5100 non-volatile matter ..... 0,01% water (according to Karl Fischer) ..... 0,2% copper (Cu) ..... 0,0005% chloride (Cl) ..... 0,0005% R: 11-20/21/22 S: 26-28 disposal: 19	FL. FL. EKL. *2935*	1 L 2,5 L 25 kg	54,— 114,50 kg	45,90 95,05 22,—	43,20 89,30	41,60 85,90
16038 A 3/5 C 3.2 1282 2 +17 °C	**Pyridine pure** *Pyridine / Piridina* N=CHCH=CHCH=CH C_5H_5N *M* = 79,10 g/mol **1 L ≈ 0,98 kg** assay (GC) ..... 99% boiling range ..... 114—116 °C density (D_4^{20}) ..... 0,980—0,985 refractive index (n_D^{20}) ..... 1,5000—1,5200 non-volatile matter ..... 0,02% water (according to Karl Fischer) ..... 0,3% R: 11-20/21/22 S: 26-28 disposal: 19	FL. FL. EKL. *2935*	1 L 2,5 L 25 kg	48,— 105,— kg	40,80 87,15 20,50	38,40 81,90	36,95 78,75
19079 A 3/5 C 3.2 1282 2 -17 °C	**Pyridine-d_5** deuteration degree not less than 99,5 atom %D *Pyridine-d_5 / Piridina-d_5* N=CDCD=CDCD=CD C_5D_5N *M* = 84,06 g/mol **1 L ≈ 1,05 kg** R: 11-20/21/22 S: 26-28 disposal: 19	A. *2851*	10 ml	202,—	171,70	161,60	151,50
19071 A 3/5 C 3.2 1282 2 -17 °C	**Pyridine-d_5** deuteration degree not less than 99 atom % D *Pyridine-d_5 / Piridina-d_5* N=CDCD=CDCD=CD C_5D_5N *M* = 84,06 g/mol **1 L ≈ 1,05 kg** R: 11-20/21/22 S: 26-28 disposal: 19	A. FL. *2851*	5 ml 100 ml	70,— 911,—	59,50 774,35	56,— 728,80	52,50 683,25
6525	**Pyridine-2-aldoxime** *Pyridine-2-aldoxime / Piridina-2-aldoxima* N=CHCH=CHCH=CCH=NOH $C_6H_6N_2O$ *M* = 122,13 g/mol	WG. *2929*	25 g	31,50	26,80	25,20	23,65

Code-Number
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C) IMDG-CODE (GGVSee)

		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
64825	**Pyridine-4-aldoxime** PROSYNTH® *Pyridinecarbaldéhyde-4-oxime / 4-Piridincarbaldoxima* N=CHCH=C(CH=NOH)CH=CH $C_6H_6N_2O$ M = 122,13 g/mol assay ..... 98% melting range ..... 131–133 °C	WG. *2935*	50 g	44,75	38,05	35,80	33,55
16039 A 3/3 C 3.3 1992 2 +32 °C	**Pyridine bases** *Pyridine bases / Piridina bases* 1 L ≈ 0,94 kg R: 11-20/21/22 S: 26-28 disposal: 19	FL. *2707*	1 L	23,25	19,75	18,60	17,90
	4-Pyridinecarbaldehyde oxime see Pyridine-4-aldoxime						
63331 A 6.1/21 C 6.1 2811 2	**Pyridinecarbonitrile-(2)** PROSYNTH® *Pyridinecarbonitrile-(2) / Piridincarbonitrilo-(2)* N=C(CN)CH=CHCH=CH $C_6H_4N_2$ M = 104,11 g/mol assay (GC) ..... 98% melting range ..... 25–27 °C	WG. *2935*	100 g	36,—	30,60	28,80	27,—
63332 A 6.1/21 C 6.1 2811 2	**Pyridinecarbonitrile-(3)** PROSYNTH® *Pyridinecarbonitrile-(3) / Piridincarbonitrilo-(3)* N=CHC(CN)=CHCH=CH $C_6H_4N_2$ M = 104,11 g/mol assay (GC) ..... 98% melting range ..... 48–50 °C	WG. *2935*	100 g	34,25	29,10	27,40	25,70
63333 A 6.1/21 C 6.1 2811 2	**Pyridinecarbonitrile-(4)** PROSYNTH® *Pyridinecarbonitrile-(4) / Piridincarbonitrilo-(4)* N=CHCH=C(CN)CH=CH $C_6H_4N_2$ M = 104,11 g/mol assay (GC) ..... 98% melting range ..... 77–80 °C	WG. *2935*	100 g	29,—	24,65	23,20	21,75
63034	**2-Pyridinecarboxylic acid** PROSYNTH® *Acide pyridinecarboxylique-(2) / Acido piridincarboxílico-(2)* NC(COOH)=CHCH=CHCH $C_6H_5NO_2$ M = 123,11 g/mol assay (alkalimetric) ..... 98% melting range ..... 135–138 °C	PF. *2935*	100 g	39,25	33,35	31,40	29,45
	Pyridinecarboxylic acid-(3) see Nicotinic acid						
63035	**4-Pyridinecarboxylic acid** PROSYNTH® *Acide pyridinecarboxylique-(4) / Acido piridincarboxílico-(4)* N=CHCH=C(COOH)CH=CH $C_6H_5NO_2$ M = 123,11 g/mol assay (alkalimetric) ..... 99% melting range ..... 313–315 °C (disint.)	PF. *2935*	100 g	13,50	11,50	10,80	10,15
	Pyridinecarboxylic acid-(4)-hydrazide see *iso*-Nicotinic acid hydrazide						
63038	**2,5-Pyridinedicarboxylic acid** PROSYNTH® *Acide pyridinedicarboxylique(2-5) / Acido piridindicarboxílico-(2,5)* N=C(COOH)CH=CHC(COOH)=CH $C_7H_5NO_4$ M = 167,12 g/mol assay (alkalimetric) 95%	PF. *2935*	100 g	16,75	14,25	13,40	12,55

refer explanations

de-Number ID/ADR GVE/GGVS MDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
039	**2,6-Pyridinedicarboxylic acid** PROSYNTH® *Acide pyridinedicarboxylique-(2-6) / Acido piridindicarboxílico-(2,6)* $N=C(COOH)CH=CHCH=C(COOH)$ $C_7H_5NO_4$ M = 167,12 g/mol assay (alkalimetric) ..... 99,5% melting range ..... 248–250 °C (disint.)	WG. *2935*	100 g	52,–	44,20	41,60	39,–
	Pyridinedicarboxylic acid-(2,3) see Quinolinic acid						
040	**Pyridine-1-oxide** PROSYNTH® *Pyridine-1-oxyde / Piridina-1-óxido* $ON=CHCH=CHCH=CH$ C_5H_5NO M = 95,10 g/mol assay ..... 97% melting range ..... 60–63 °C	WG. *2935*	100 g	84,50	71,85	67,60	63,40
	Pyridine-sulphur dioxide-solution see Fischer, reagent solution						
3604	**Pyridinethiol-(2)** PROSYNTH® *Pyridinethiol-(2) / Piridinotiol-(2)* $N=CHCH=CHCH=CSH$ C_5H_5NS M = 111,17 g/mol assay (iodometric) ..... 97% melting range ..... 127–129 °C	WG. *2935*	10 g	24,75	21,05	19,80	18,55
4828	**Pyridinium chloride** PROSYNTH® *Pyridinium chlorure / Piridinio cloruro* $N=CHCH=CHCH=CH \cdot HCl$ C_5H_6ClN M = 115,56 g/mol assay (ex Cl) ..... 98% melting range ..... 140–143 °C keep in refrigerator à stocker dans le refrigidaire almacenaje en la nevera	WG. *2935*	250 g	69,–	58,65	55,20	51,75
1437	**Pyridoxal hydrochloride** BIOSYNTH® *Pyridoxal chlorhydrate / Piridoxal clorhidrato* $N=C(CH_3)C(OH)=C(CHO)C(CH_2OH)=CH \cdot HCl$ $C_8H_{10}ClNO_3$ M = 203,62 g/mol	FL. *2935*	1 g	9,50	8,10	7,60	7,15
1438	**Pyridoxal-5'-phosphate** BIOSYNTH® *Pyridoxal-5'-phosphate / Piridoxal-5'-fosfato* $N=C(CH_3)C(OH)=C(CHO)C(CH_2OPO_3H_2)=CH \cdot H_2O$ $C_8H_{10}NO_6P \cdot H_2O$ M = 265,16 g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	WG. *2919*	5 g	46,50	39,55	37,20	34,90
1211	**Pyridoxamine dihydrochloride** BIOSYNTH® *Pyridoxamine dichlorhydrate / Piridoxamina diclorhidrato* $N=C(CH_3)C(OH)=C(CH_2NH_2)C(CH_2OH)=CH \cdot 2HCl \cdot H_2O$ $C_8H_{14}Cl_2N_2O_2 \cdot H_2O$ M = 259,13 g/mol assay (ex Cl) ..... 99% melting range ..... 226–228 °C (disint.)	FL. *2935*	1 g	13,75	11,70	11,–	10,30
128 :/4 4 °C	**Pyridylaldehyde-(2)** PROSYNTH® *Pyridylaldéhyde-(2) / Piridilaldehido-(2)* $N=CHCH=CHCH=CCHO$ C_6H_5NO M = 107,11 g/mol **1 L ≈ 1,13 kg** assay (GC) ..... 98% boiling range ..... 178–181 °C refractive index (n_D^{20}) 1,535	FL. *2935*	25 g	24,75	21,05	19,80	18,55

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64129 A 3/4 +81 °C	**Pyridylaldehyde-(3)** PROSYNTH® *Pyridylaldéhyde-(3) / Piridilaldehido-(3)* N=CHCH=CHC(CHO)=CH C_6H_5NO *M* = 107,11 g/mol **1 L ≈ 1,15 kg** assay (GC) ..... 98% boiling range (at 13 mbar) ..... 78–81 °C refractiv index (n_D^{20}) 1,549	FL. *2935*	25 g	30,75	26,15	24,60	23,
64130 A 3/4 +82 °C	**Pyridylaldehyde-(4)** PROSYNTH® *Pyridylaldéhyde-(4) / Piridilaldehido-(4)* N=CHCH=C(CHO)CH=CH C_6H_5NO *M* = 107,11 g/mol **1 L ≈ 1,14 kg** assay (GC) ..... 97% boiling range (at 16 mbar) ..... 76–78 °C refractive index (n_D^{20}) 1,543	FL. *2935*	25 g	45,—	38,25	36,—	33,
	Pyridylamine see Aminopyridine						
33579	**1-(2-Pyridylazo)naphthol-(2) (PAN)** indicator for metal titration *1-(2-Pyridylazo)naphtol-(2) (PAN) / 1-(2-Piridilazo)naftol-(2) (PAN)* $C_{15}H_{11}N_3O$ *M* = 249,27 g/mol	FL. WG. *2928*	1 g 5 g	11,— 43,—	9,35 36,55	8,80 34,40	8,2 32,2
33580	**4-(2-Pyridylazo)-resorcinol monosodium salt (PAR)** indicator for metal titration *4-(2-Pyridylazo)-résorcinol sel monosodique (PAR) / 4-(2-Piridilazo)-resorcina sal monosódica (PAR)* $C_{11}H_8N_3NaO_2$ *M* = 237,19 g/mol	FL. WG. *2928*	1 g 5 g	11,— 36,75	9,35 31,25	8,80 29,40	8,2 27,5
63041	**Pyridyl-(2)-methanol** PROSYNTH® *Pyridyl-(2)-méthanol / Piridil-(2)-metanol* N=CH(CH_2OH)CH=CHCH=CH C_6H_7NO *M* = 109,13 g/mol **1 L ≈ 1,13 kg** assay (GC) 98%	FL. *2935*	100 ml	120,—	102,—	96,—	90,
63042	**Pyridyl-(3)-methanol** PROSYNTH® *Pyridyl-(3)-méthanol / Piridil-(3)-metanol* N=CHCH(CH_2OH)=CHCH=CH C_6H_7NO *M* = 109,13 g/mol **1 L ≈ 1,13 kg** assay (GC) 97%	FL. *2935*	100 ml	58,—	49,30	46,40	43,5
63736	**4-Pyridylpyridinium chloride** PROSYNTH® *4-Pyridylpyridinium chlorure / 4-Piridilpiridinio cloruro* CH=CHN=CHCH=CN(Cl)=CHCH=CHCH=CH $C_{10}H_9ClN_2$ *M* = 192,65 g/mol assay of 4-pyridylpyridinium chloride hydrochloride 5–25%	WG. *2935*	50 g	41,50	35,30	33,20	31,1
39231	**Pyrimidine** BIOSYNTH® *Pyrimidine / Pirimidina* N=CHN=CHCH=CH $C_4H_4N_2$ *M* = 80,09 g/mol assay (GC) ..... 98% melting range ..... 20–22 °C	FL. *2935*	1 g	29,50	25,10	23,60	22,1
63605	**Pyrimidinethiol-(2)** PROSYNTH® *Pyrimidinethiol-(2) / Pirimidintiol-(2)* N=CHCH=CHN=CSH $C_4H_4N_2S$ *M* = 112,15 g/mol assay (iodometric) ..... 95% melting range ..... 225–229 °C	WG. *2931*	10 g	17,50	14,90	14,—	13,1

refer explanations

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32101	**Pyrocatechol** R. G., Reag. Ph. Eur. I *Pyrocatéchol / Pirocatequina* $C_6H_4(OH)_2$[1,2] $C_6H_6O_2$ M = 110,11 g/mol assay (GC) ..... min. 99% melting range ..... 103—105 °C insoluble in water ..... max. 0,01% sulphated ash ..... max. 0,01% iron (Fe) ..... max. 0,0001% copper (Cu) ..... max. 0,0001%	WG. WG. 2906	100 g 250 g	19,50 44,25	16,60 37,60	15,60 35,40	14,65 33,20
23001	**Pyrocatechol** chem. pure *Pyrocatéchol / Pirocatequina* $C_6H_4(OH)_2$[1,2] $C_6H_6O_2$ M = 110,11 g/mol assay (GC) ..... 99% melting range ..... 103—105 °C insoluble in water ..... 0,01% sulphated ash 0,1%	WG. FTP. 2906	1 kg 55 kg	98,50 price on request	83,75	78,80	75,85
23005	**Pyrocatechol** technical *Pyrocatéchol / Pirocatequina* $C_6H_4(OH)_2$[1,2] $C_6H_6O_2$ M = 110,11 g/mol melting range ..... 100—103 °C	PF. PF. S. 2906	500 g 1 kg 50 kg	20,75 38,25 price on request	17,65 32,50	16,60 30,60	16,— 29,45
	Pyrocatechol dimethyl ether see Veratrole						
	Pyrocatechol disulphonic acid-(3,5) disodium salt see Tiron						
	Pyrocatechol monoethyl ether see Guaethol						
23158	**Pyrocatechol mono-(2-hydroxy ethyl)-ether** *Ether mono-(2-hydroxyéthylique) du pyrocatéchine / Eter mono-(2-hidroxietilico) de pirocatequina* $HOCH_2CH_2OC_6H_4OH$ $C_8H_{10}O_3$ M = 154,17 g/mol	PF. FTP. 2908	1 kg 50 kg	price on request price on request			
	Pyrocatechol monomethyl ether see Guaiacol						
12672	**Pyrocatechol violet** indicator for metal titration *Violet de pyrocatéchol / Violeta de pirocatequina* $(HO)_2C_6H_3C[=C_6H_3(OH)=O]C_6H_4SO_3H$ $C_{19}H_{14}O_7S$ M = 386,38 g/mol	FL. WG. 3205	1 g 5 g	9,50 22,50	8,10 19,15	7,60 18,—	7,15 16,90
6040 6.1/22 6.1 2811 2	**Pyrogallol** DAB 6 *Pyrogallol / Pirogalol* $C_6H_3(OH)_3$ $C_6H_6O_3$ M = 126,11 g/mol R: 20/21/22 disposal: 6	WG. WG. WG. FTP. 2906	100 g 500 g 1 kg 50 kg	35,75 137,50 253,— price on request	30,40 116,90 215,05	28,60 110,— 202,40	26,80 105,90 194,80
12775	**Pyrogallol red** indicator for metal titration *Rouge de pyrogallol / Rojo de pirogalol* $C_{19}H_{12}O_8S$ M = 400,36 g/mol	FL. 3205	1 g	10,50	8,95	8,40	7,90
6063	**Pyrogallol solution** 25%, for absorption of oxygen according to Orsat (Before use one volume of pyrogallol solution has to be mixed with 5 volumes of potassium hydroxide solution) *Pyrogallol en solution / Pirogalol en solución* 1 L ≈ 1,08 kg R: 20/21/22	FL. FL. 2906	250 ml 1 L	30,25 93,50	25,70 79,50	24,20 74,80	22,70 72,—
	Pyrogallosulphonphthalein see Pyrogallol red						
	Pyrolusite see Manganese(IV) oxide						

SPECTRANAL® solvents for spectroscopy

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96 (16 Box
63043	**Pyromellitic acid** PROSYNTH® *Acide pyromellique / Acido piromelítico* $C_6H_2(COOH)_4$ $C_{10}H_6O_8$ $M = 254,15$ g/mol assay (alkalimetric) ..... 98 %	PF. *2915*	100 g	19,—	16,15	15,20	14,
63737	**Pyromellitic dianhydride** PROSYNTH® *Dianhydride pyromellique / Dianhídrido piromelítico* $C_{10}H_2O_6$ $M = 218,12$ g/mol assay ..... 99 % melting range[1] ..... 284—286 °C R: 36/37/38 S: 25 disposal: 21	PF. *2915*	250 g	27,25	23,15	21,80	20,
	Pyrophosphoric acid see Diphosphoric acid						
63044 A 3/3 C 3.3 1993 2 +36 °C	**Pyrrole** PROSYNTH® *Pyrrole / Pirrol* $\underbrace{CH=CHCH=CH}NH$ C_4H_5N $M = 67,09$ g/mol **1 L ≈ 0,97 kg** assay (GC) ..... 98 % boiling range ..... 129-131 °C refractive index (n_D^{20}) ..... 1,508 keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 10 disposal: 6	FL. FL. *2935*	25 ml 100 ml	18,75 63,50	15,95 54,—	15,— 50,80	14, 47,
64830	**2-Pyrrolecarbaldehyde** PROSYNTH® *Pyrrolcarbaldéhyde-2 / 2-Pirrolcarbaldehído* $\underbrace{NHCH=CHCH=C}CHO$ C_5H_5NO $M = 95,10$ g/mol assay (GC) ..... 99 % melting range ..... 44—46 °C	WG. *2935*	10 g	57,—	48,45	45,60	42,
63929	**Pyrrole-2-carboxylic acid** PROSYNTH® *Acide pyrrolecarboxylique-(2) / Acido pirrolcarboxílico-(2)* $\underbrace{NHCH=CHCH=C}COOH$ $C_5H_5NO_2$ $M = 111,10$ g/mol assay (alkalimetric) ..... 99 % melting range ..... 204—206 °C (disint.)	FL. *2935*	1 g	13,25	11,25	10,60	9,
63045 A 3/1A C 3.2 1922 2 +3 °C	**Pyrrolidine** PROSYNTH® *Pyrrolidine / Pirrolidina* $HN\underbrace{(CH_2)_3CH_2}$ C_4H_9N $M = 71,12$ g/mol **1 L ≈ 0,87 kg** assay (GC) ..... 99 % boiling range ..... 86—88 °C refractive index (n_D^{20}) ..... 1,443 keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 11-20/21/22 S: 26-28 disposal: 6	FL. *2935*	250 ml	34,50	29,35	27,60	25,
	Pyrrolidinecarboxylic acid-(2) see DL-Proline						
63046	**Pyrrolidone-(2)** PROSYNTH® *Pyrrolidone-(2) / Pirrolidona-(2)* $HN\underbrace{(CH_2)_3CO}$ C_4H_7NO $M = 85,11$ g/mol **1 L ≈ 1,11 kg** assay (GC) ..... 99 % boiling range (at 13 mbar) ..... 123—125 °C refractive index (n_D^{20}) 1,488	FL. *2935*	250 ml	15,50	13,20	12,40	11,

refer explanations

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
27624	**Pyruvic acid** *Acide pyruvique / Acido pirúvico* $CH_3COCOOH$ $C_3H_4O_3$ $M = 88{,}06$ g/mol **1 L ≈ 1,27 kg** keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	PF. PF. 2916	100 ml 1 L	31,25 235,—	26,55 199,75	25,— 188,—	23,45 180,95
+90 °C							
64662	**Pyruvic acid nitrile** PROSYNTH® (Acetyl cyanide) *Acide pyruvique nitrile / Acido pirúvico nitrilo* CH_3COCN C_3H_3NO $M = 69{,}06$ g/mol **1 L ≈ 0,97 kg** assay (GC) ..... 97% boiling range ..... 91—93 °C refractive index (n_D^{20}) ..... 1,378 R: 11-23/24/25 S: 16-27-44 disposal: 15	FL. 2927	10 ml	49,—	41,65	39,20	36,75
A 6.1/2							
C 3.2 1992							
+3 °C							
39100	**Pyruvic acid sodium salt** BIOSYNTH® *Acide pyruvique sel sodique / Acido pirúvico sal sódica* $CH_3COCOONa$ $C_3H_3NaO_3$ $M = 110{,}04$ g/mol assay (acidimetric) 99%	PF. 2916	25 g	12,50	10,65	10,—	9,40
18640	**Quartz** white powder *Quartz / Cuarzo* SiO_2 $M = 60{,}08$ g/mol loss on ignition ..... 0,3% with hydrofluoric acid non-volatile matter (as sulphates) 0,5%	PF. S. S. 2505	5 kg 50 kg 5x	23,25 kg kg	19,30 1,25 0,95	18,15	17,45
18643	**Quartz** purified (0,002% Fe) powder *Quartz / Cuarzo* SiO_2 $M = 60{,}08$ g/mol	PF. PF. 2505	1 kg 5 kg	22,— 82,—	18,70 68,05	17,60 63,95	16,95 61,50
31623	**Quartz (sand)** R. G. washed and calcined *Quartz / Arena de cuarzo* SiO_2 $M = 60{,}08$ g/mol loss on ignition ..... max. 0,05% soluble in hydrochloric acid ..... max. 0,05% chloride (Cl) ..... max. 0,01% granulation ..... abt. 0,5 mm	PF. PF. 2505	250 g 1 kg	15,75 45,75	13,40 38,90	12,60 36,60	11,80 35,25
32782	**Quercetin dihydrate** (C. I. No. 75670) *Quercétine dihydrate / Quercetina dihidrato* $\underline{OC_6H_2(OH)_2COC(OH)=C}C_6H_3(OH)_2 \cdot 2H_2O$ $C_{15}H_{10}O_7 \cdot 2H_2O$ $M = 338{,}27$ g/mol assay ..... min. 99% melting range ..... 311—313°C (disint.) sulphated ash ..... max. 0,1%	WG. 3205	25 g	34,25	29,10	27,40	25,70
	Quercetin-3-rutinosid see Rutoside						
	Quick lime see Calcium oxide						
23101	**Quinaldic acid** R. G., *Acide quinaldinique / Acido quinaldínico* $\underline{C_6H_4CHC(COOH)=N}$ $C_{10}H_7NO_2$ $M = 173{,}17$ g/mol assay ..... min. 99,5% melting range ..... 154—156 °C sulphated ash ..... max. 0,1% suitability for determination of metals ..... passes test	WG. 2935	5 g	20,75	17,65	16,60	15,55

AQUANAL® test sets for quantitative analysis of aqueous solutions

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96 (16 Bo
62271	**Quinaldine** PROSYNTH® *Quinaldine / Quinaldina* $C_6H_4N=C(CH_3)CH=CH$ $C_{10}H_9N$ M = 143,19 g/mol 1 L ≈ 1,06 kg assay (GC) ..... 94 % boiling range ..... 246–248 °C	FL. *2935*	250 ml	38,25	32,50	30,60	28
33901	**Quinaldine red** indicator *Rouge de quinaldine / Rojo de quinaldina* $(CH_3)_2NC_6H_4CH=CHC=N(J)(C_2H_5)C_6H_4CH=CH$ $C_{21}H_{23}JN_2$ M = 430,33 g/mol	FL. *3205*	1 g	7,50	6,40	6,—	5
	Quinalizarin see 1,2,5,8-Tetrahydroxyanthraquinone						
64558	**Quinazoline** PROSYNTH® *Quinazoline / Quinazolina* $C_6H_4CH=NCH=N$ $C_8H_6N_2$ M = 130,15 g/mol assay (ex N) ..... 98 % melting range ..... 44–46 °C	FL. *2935*	1 g	28,50	24,25	22,80	21
33102	**Quinhydrone** R. G., Reag. Ph. Eur. I *Quinhydrone / Quinhidrona* $OC_6H_4O \cdot HOC_6H_4OH$ $C_{12}H_{10}O_4$ M = 218,21 g/mol 1,4-benzoquinone ..... 48–52 % hydroquinone ..... 48–52 % melting range ..... 168–171 °C insoluble in ethanol ..... max. 0,02 % sulphated ash ..... max. 0,1 % iron (Fe) ..... max. 0,001 % sulphate (SO_4) ..... max. 0,01 %	WG. WG. *2913*	100 g 500 g	32,75 135,50	27,85 115,20	26,20 108,40	24 104
62272	**Quinic acid** PROSYNTH® *Acide quinique / Acido quínico* $CH_2(CHOH)_3CH_2C(OH)COOH$ $C_7H_{12}O_6$ M = 192,17 g/mol assay (alkalimetric) ..... 98 % spec. rotation ($[\alpha]_D^{20}$; c = 10 in H_2O) ..... −43° ± 1°	WG. *2916*	25 g	24,25	20,60	19,40	18
64382 A 6.1/21 C 6.1 2811 2	**Quinine** PROSYNTH® *Quinine / Quinina* $C_{20}H_{24}N_2O_2$ M = 324,42 g/mol assay (acidimetric) ..... 99 % melting range ..... 174–175 °C	WG. *2942*	25 g	60,—	51,—	48,—	45
	Quinizarine see 1,4-Dihydroxyanthraquinone						
	Quinol see Hydroquinone						
60089 A 3/4 +65 °C	**Quinoline** PROSYNTH® *Quinoléine / Quinolina* $C_6H_4CH=CHCH=N$ C_9H_7N M = 129,16 g/mol 1 L ≈ 1,09 kg assay (GC) ..... 99 % boiling range ..... 236–238 °C refractive index (n_D^{20}) ..... 1,625 R: 20/21/22 S: 28 disposal: 6	FL. FL. *2935*	250 ml 1 L	24,— 80,50	20,40 68,45	19,20 64,40	18 62

refer explanations

ode-Number RID/ADR GGVE/GGVS IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
5305 3/4 65 °C	**Quinoline** technical *Quinoléine / Quinolina* $C_6H_4CH=CHCH=N$ C_9H_7N *M* = 129,16 g/mol **1 L ≈ 1,09 kg** assay (GC) ..... 98% boiling range ..... 233–237 °C density (D_4^{20}) ..... 1,092–1,094 R: 20/21/22 S: 28 disposal: 19	FL. *2935*	1 L	38,25	32,50	30,60	29,45
	Quinoline blue see Aniline blue water-soluble						
	Quinolinecarboxylic acid-(2) see Quinaldic acid						
62273	**Quinolinic acid** PROSYNTH® *Acide quinoléique / Acido quinolínico* $N=C(COOH)C(COOH)=CHCH=CH$ $C_7H_5NO_4$ *M* = 167,12 g/mol assay (alkalimetric) ..... 99% melting range ..... 188–190 °C (disint.)	PF. *2935*	100 g	53,–	45,05	42,40	39,75
	Quinone see 1,4-Benzoquinone						
64385	**Quinoxaline** PROSYNTH® *Quinoxaline / Quinoxalina* $C_6H_4N=CHCH=N$ $C_8H_6N_2$ *M* = 130,15 g/mol assay (Cl) ..... 98% melting range ..... 29–31 °C	WG. *2935*	100 g	41,50	35,30	33,20	31,15
15753	**Quintozene** min. 99% PESTANAL® (Pentachloronitrobenzene) $C_6Cl_5NO_2$ *M* = 295,34 g/mol	FL. *2903*	1 g	42,75	36,35	34,20	32,05
64775	**3-Quinuclidinol** PROSYNTH® *Quinuclidinol-3 / 3-Quinuclidinol* $C_7H_{13}NO$ *M* = 127,19 g/mol assay ..... 98% melting range ..... 220–223 °C	WG. *2935*	10 g	35,50	30,20	28,40	26,65
59153	**D(+)-Raffinose pentahydrate** BIOSYNTH® *D(+)-Raffinose pentahydrate / D(+)-Rafinosa pentahidrato* $C_{18}H_{32}O_{16} \cdot 5H_2O$ *M* = 594,52 g/mol melting range ..... 80–82 °C specific rotation ($[\alpha]_D^{20}$; c=4 in H_2O) ..... +104° ±2°	PF. *2943*	50 g	87,50	74,40	70,–	65,65
64156 4.2/6D 4.2*1378 2	**Raney cobalt catalyst** ready-for-use suspension in water *Catalyseur Raney-cobalt / Catalizador de cobalto según Raney* assay of Co (in suspension) ..... 50% granulation less than 32 µm 40%	WG. *3819*	100 g	85,50	72,70	68,40	64,15
64157 4.2/6D 4.2*1378 2	**Raney copper catalyst** ready-for-use suspension in water *Catalyseur Raney-cuivre / Catalizador de cobre según Raney* assay of Cu (in suspension) ..... 50% granulation less than 32 µm 40%	WG. *3819*	100 g	77,50	65,90	62,–	58,15
64155 4.2/6D 4.2*1378 2	**Raney iron catalyst** ready-for-use suspension in water *Catalyseur Raney-fer / Catalizador de hierro según Raney* assay of Fe (in suspension) ..... 50% granulation less than 32 µm 40%	WG. *3819*	100 g	50,50	42,95	40,40	37,90
	Raney-nickel aluminium alloy see Nickel-aluminium alloy						
64158 4.2/6D 4.2*1378 2	**Raney nickel catalyst** ready-for-use suspension in water *Catalyseur Raney-nickel / Catalizador de níquel según Raney* assay Ni (in suspension) ..... 50% granulation less than 32 µm 40%	WG. *3819*	100 g	30,25	25,70	24,20	22,70

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	Reagent papers see Indicator and reagent papers						
	Reagents and auxiliaries for the chromatography see below the respective article. The complete range can be found in appendix						
	Redox indicators see appendix indicators for redox titration						
	Red prussiate of potash see Potassium hexacyanoferrate(III)						
33601	**Reinecke salt** R. G. *Sel de Reinecke / Sal de Reinecke* $NH_4[Cr(SCN)_4(NH_3)_2] \cdot H_2O$ $M = 354{,}44$ g/mol assay ..... min. 96% insoluble in water (75 °C) ..... max. 0,005% water (according to Karl Fischer) ..... max. 1,5%	WG. WG. *2848*	10 g 25 g	19,— 39,25	16,15 33,35	15,20 31,40	14,2 29,4
39647	**Reoplex® 400** for gas chromatography *Réoplex® 400 / Reoplex® 400* working temperature ..... 30 to 200 °C	WG. *3901*	50 g	22,50	19,15	18,—	16,9
	Resacetophenone see 2,4-Dihydroxyacetophenone						
18714	**Resin** (colophony) *Colophane / Colofonia*	PF. FT. *3808*	5 kg 50 kg	52,50	43,60 price on request	40,95	39,4
33602	**Resorcinol** R. G., Reag. Ph. Eur. I *Résorcinol / Resorcina* $C_6H_4(OH)_2$ $C_6H_6O_2$ $M = 110{,}11$ g/mol assay ..... min. 99% melting range ..... 109—111 °C loss on drying (on silica gel) ..... max. 1% sulphated ash ..... max. 0,02% free acid (as H_2SO_4) ..... max. 0,005% free alkali (as NH_3) ..... max. 0,002% heavy metals (as Pb) ..... max. 0,004% chloride (Cl) ..... max. 0,008% sulphate (SO_4) ..... max. 0,02% pyrocatechol ..... passes test R: 22-36/38 S: 26 disposal: 6	PF. PF. *2906*	100 g 250 g	19,— 38,75	16,15 32,95	15,20 31,—	14,2 29,0
16101	**Resorcinol** chem. pure DAB 8 *Résorcinol / Resorcina* $C_6H_4(OH)_2$ $C_6H_6O_2$ $M = 110{,}11$ g/mol R: 22-36/38 S: 26 disposal: 6	PF. PF. FTP. *2906*	250 g 1 kg 50 kg	31,50 99,50	26,80 84,60 price on request	25,20 79,60	23,6 76,6
16102	**Resorcinol** technical *Résorcinol / Resorcina* $C_6H_4(OH)_2$ $C_6H_6O_2$ $M = 110{,}11$ g/mol R: 22-36/38 S: 26 disposal: 6	PF. PF. S. FTP. *2906*	1 kg 2,5 kg 25 kg 25 kg	63,50 139,—	54,— 115,35 price on request price on request	50,80 108,40	48,9 104,2
60267 A 3/4 +88 °C	**Resorcinol dimethyl ether** PROSYNTH® *Ether diméthylique de la résorcinol / Eter dimetílico de la resorcina* $C_6H_4(OCH_3)_2$ $C_8H_{10}O_2$ $M = 138{,}17$ g/mol 1 L ≈ 1,06 kg assay (GC) ..... 99% boiling range ..... 215—217 °C refractive index (n_D^{20}) 1,524	FL. *2908*	250 ml	32,75	27,85	26,20	24,5

refer explanations

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16157	**Resorcinol monoacetate** N. F. XIV *Résorcinol monoacétate / Resorcina monoacetato* $C_6H_4(OH)(OCOCH_3)$ $C_8H_8O_3$ $M = 152{,}15$ g/mol **1 L ≈ 1,20 kg** density (D_{25}^{20}) ..... 1,203—1,207 loss on drying (vapour-bath, 1 h) ..... 2% sulphated ash ..... 0,05% acidity ..... passes test	FL. FPF. *2914*	1 L 35 kg	69,—	58,65 price on request	55,20	53,15
60269 +88 °C	**Resorcinol monomethyl ether** PROSYNTH® *Ether monométhylique de la résorcinol / Eter monometílico de la resorcina* $C_6H_4(OH)(OCH_3)$ $C_7H_8O_2$ $M = 124{,}14$ g/mol **1 L ≈ 1,14 kg** assay ..... 98% boiling range (at 15 mbar) ..... 124—126 °C refractive index (n_D^{20}) 1,552	FL. *2908*	250 ml	89,50	76,10	71,60	67,15
	Resorcinol phthalein see Fluorescein						
	Resorcinol yellow see Tropaeolin O						
	α-Resorcylic acid see 3,5-Dihydroxybenzoic acid						
	β-Resorcylic acid see 2,4-Dihydroxybenzoic acid						
	γ-Resorcylic acid see 2,6-Dihydroxybenzoic acid						
39154	**α-L(+)-Rhamnose monohydrate** BIOSYNTH® *α-L(+)-Rhamnose monohydraté / α-L(+)-Ramnosa monohidrato* $CH_3\underline{CH(CHOH)_4O} \cdot H_2O$ $C_6H_{12}O_5 \cdot H_2O$ $M = 182{,}17$ g/mol	WG. *2943*	10 g	46,—	39,10	36,80	34,50
10442	**Rhenium** powder *Rhénium / Renio* Re $M = 186{,}21$ g/mol assay 99%	FL. *8104*	1 g	74,50	63,35	59,60	55,90
10443	**Rhenium(VII) oxide** *Rhénium(VII) oxyde / Renio(VII) óxido* Re_2O_7 $M = 484{,}41$ g/mol assay 99%	A. *2828*	1 g	70,—	59,50	56,—	52,50
32634	**Rhodamine B** R. G. and for microscopy (C. I. No. 45170, S. No. 864) *Rhodamine B / Rodamina B* $C_{28}H_{31}ClN_2O_3$ $M = 479{,}02$ g/mol solubility ..... passes test residue on ignition (as sulphates) ..... max. 0,25% sensibility as micro reagent ..... passes test	WG. WG. *3205*	25 g 100 g	11,— 18,50	9,35 15,75	8,80 14,80	8,25 13,90
32636 A 2/10B2 C 3.3 1950 54 °C	**Rhodamine B** spray reagent for chromatography *Rhodamine B / Rodamina B* spray-box of 330 ml R: 10	*3819*	1 pack	18,—	15,30	14,40	13,50
10444	**Rhodium** powder *Rhodium / Rodio* Rh $M = 102{,}91$ g/mol assay 99%	FL. *7109*	1 g	208,—	176,80	166,40	156,—
63047	**Rhodium(III) chloride-3-hydrate** PROSYNTH® *Rhodium(III) chlorure-3-hydrate / Rodio(III) cloruro hidrato* package of 1 g $RhCl_3 \cdot 3H_2O$ $M = 263{,}31$ g/mol assay 97%	*2849*	1 pack	67,50	57,40	54,—	50,65

CHROMASOLV® solvents for chromatography

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	9 (16 Bo
65089 A 6.1/5 C 6.1 2811 2	***tetra*-Rhodium dodecacarbonyl** PROSYNTH® *tétra-Rhodium dodécacarbonyle / tetra-Rodio dodecacarbonilo* package of 100 mg $Rh_4(CO)_{12}$ $C_{12}O_{12}Rh_4$ $M = 747{,}75$ g/mol	*2849*	1 pack	price on request			
65090 A 6.1/5 C 6.1 2811 2	***hexa*-Rhodium hexadecacarbonyl** PROSYNTH® *hexa-Rhodium hexadécacarbonyle / hexa-Rodio hexadecacarbonilo* package of 100 mg $Rh_6(CO)_{16}$ $C_{16}O_{16}Rh_6$ $M = 1065{,}60$ g/mol	*2849*	1 pack	price on request			
14844	**Rhodium(III) oxide-5-hydrate** *Rhodium(III) oxyde-5-hydrate / Rodio(III) óxido-5-hidrato* $Rh_2O_3 \cdot 5H_2O$ $M = 343{,}89$ g/mol	*2849*					
	Rhodizonic acid sodium salt see Sodium rhodizonate	FL. *2938*	1 g	156,—	132,60	124,80	117,
	Ribitol see Adonitol						
	Riboflavin-5'-adenosine diphosphoric acid disodium salt see Flavin adenine dinucleotide disodium salt						
39220	**Riboflavine** BIOSYNTH® *Riboflavine / Riboflavina* $C_{17}H_{20}N_4O_6$ $M = 376{,}37$ g/mol	PF. *2938*	25 g	23,50	20,—	18,80	17,
	Riboflavin-5'-monophosphoric acid sodium salt see Flavin mononucleotide sodium salt						
39439	**Ribonucleic acid** BIOSYNTH® *Acide ribonucléique / Acido ribonucleico* keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	WG. *2935*	10 g	11,50	9,80	9,20	8,
39156	**D(–)-Ribose** BIOSYNTH® *D(–)-Ribose / D(–)-Ribosa* $CH_2(CHOH)_4O$ $C_5H_{10}O_5$ $M = 150{,}13$ g/mol melting range ..... 86—88 °C specific rotation ($[\alpha]_D^{20}$; c = 4 in H_2O) ..... −20° ± 3°	WG. *2943*	10 g	30,—	25,50	24,—	22,
39155 A 6.1/71 C 6.1 1564 3	**D-Ribose-5-phosphoric acid barium salt** BIOSYNTH® *Acide D-ribose-5-phosphorique sel de baryum / Acido D-ribosa-5-fosfórico, sal de bario* package of 250 mg $BaO_3POCH_2CH(CHOH)_3O \cdot 2H_2O$ $C_5H_9BaO_8P \cdot 2H_2O$ $M = 401{,}46$ g/mol R: 20/22 S: 28 disposal: 24	*2943*	1 pack	22,—	18,70	17,60	16,
	RNA see Ribonucleic acid						
	Rochelle salt see Potassium sodium tartrate						
	Rock salt see Sodium chloride						
	Rosaniline see Pararosaniline						
	Rosazein see Rhodamine B						
33923	**Rose bengal** adsorption indicator (C. I. No. 45440, S. No. 891) *Rose bengale / Rosa bengala* $NaOOCC_6Cl_4C{=}C_6HJ_2(=O)OC_6HJ_2ONa$ $C_{20}H_2Cl_4J_4Na_2O_5$ $M = 1017{,}65$ g/mol	WG. *3205*	5 g	26,75	22,75	21,40	20,

refer explanations

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
33605	**Rosolic acid** indicator *Acide rosolique / Acido rosólico* $C_{20}H_{16}O_3$ M = 304,34 g/mol	WG. WG. 3205	10 g 25 g	11,75 19,25	10,— 16,35	9,40 15,40	8,80 14,45
35755 A 6.1/82 C 6.1 1615 3	**Rotenone** PESTANAL® (1,2,12,12a-Tetrahydro-2-isopropenyl-8,9-dimethoxy-[1]-benzopyrano-[3,4-b]-furo-[2,3-h]-[1]-benzopyran-6(6aH)-one) $C_{23}H_{22}O_6$ M = 394,42 g/mol R: 23/24/25 S: 2-13-44 disposal: 7	FL. 2935	1 g	28,25	24,—	22,60	21,20
	R-Salt see Sodium chloride						
	Rubean hydrogen see Rubeanic acid						
33606	**Rubeanic acid** R. G. (dithiooxamide) *Acide rubéanique / Acido rubeánico* $H_2NSCCSNH_2$ $C_2H_4N_2S_2$ M = 120,20 g/mol assay ..... min. 98% sulphated ash ..... max. 0,25% suitability for determination of copper ..... passes test	WG. WG. 2931	5 g 100 g	13,75 142,—	11,70 120,70	11,— 113,60	10,30 106,50
10445	**Rubidium** *Rubidium / Rubidio* Rb M = 85,47 g/mol assay 99%	A. 2805	1 g	117,—	99,45	93,60	87,75
38629	**0,100 g Rubidium** FIXANAL® water-soluble standard for atom absorption *0,100 g Rubidium / 0,100 g Rubidio* ampoule	3819	1 pack	10,25	8,70	8,20	7,70
38572	**1,00 g Rubidium** FIXANAL® watersoluble standard for atom absorption *1,00 g Rubidium / 1,00 g Rubidio* ampoule	3819	1 pack	10,25	8,70	8,20	7,70
14798	**Rubidium carbonate** *Rubidium carbonate / Rubidio carbonato* Rb_2CO_3 M = 230,94 g/mol	WG. 2842	10 g	21,50	18,30	17,20	16,15
14760	**Rubidium chloride** cryst. *Rubidium chlorure / Rubidio cloruro* RbCl M = 120,92 g/mol	FL. FL. 2830	5 g 10 g	12,50 21,—	10,65 17,85	10,— 16,80	9,40 15,75
10410 C 6.1 2811 3	**Rubidium fluoride** *Rubidium fluorure / Rubidio fluoruro* RbF M = 104,47 g/mol assay ..... min. 99% R: 23/24/25 S: 1/2-26-44 disposal: 27	PF. 2829	10 g	60,50	51,45	48,40	45,40
32658	**Rubin S concentrated** R. G. for analyse and microscopy, reagent on aldehydes (C. I. No. 42685, S. No. 800) *Rubine S concentré / Rubina S concentrado*	WG. WG. 3205	25 g 100 g	21,50 72,—	18,30 61,20	17,20 57,60	16,15 54,—
10446	**Ruthenium** powder *Ruthénium / Rutenio* Ru M = 101,07 g/mol assay 99%	A. 7109	1 g	46,50	39,55	37,20	34,90
10452	**Ruthenium(III) chloride-3-hydrate** *Ruthénium(III) chlorure-3-hydrate / Rutenio(III) cloruro-3-hidrato* $RuCl_3 \cdot 3H_2O$ M = 261,47 g/mol	WG. 2849	10 g	275,—	233,75	220,—	206,25

COTAL® chemicals for vapour deposition techniques

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65091 A 6.1/5 C 6.1 2811 2	***tri*-Ruthenium dodecacarbonyl** PROSYNTH® *tri-Ruthéniumdodécacarbonyle / tri-Ruteniododecacarbonilo* $Ru_3(CO)_{12}$ $C_{12}O_{12}Ru_3$ $M = 639{,}33$ g/mol	FL. *2849*	1 g	202,—	171,70	161,60	151,50
63048	**Ruthenium(IV) oxide** PROSYNTH® *Ruthénium(IV) oxyde / Rutenio(IV) óxido* RuO_2 $M = 133{,}07$ g/mol assay 99%	FL. *2849*	1 g	44,75	38,05	35,80	33,55
14845	**Ruthenium red** *Rouge de ruthénium / Rojo de rutenio* $[Ru_3(O)_2(NH_3)_{14}]Cl_6 \cdot 4H_2O$ $M = 858{,}41$ g/mol	FL. *3205*	1 g	34,—	28,90	27,20	25,50
	Rutil see Titanium(IV) oxide, natural						
	Rutin see Rutoside						
20829	**Rutoside** chem. pure DAB 8, Reag. Ph. Eur. I *Rutoside / Rutosida* $C_{27}H_{30}O_{16} \cdot 3H_2O$ $M = 664{,}57$ g/mol	WG. *2941*	100 g	15,75	13,40	12,60	11,80
16104 ○	**D(+)-Saccharose** chem. pure Ph. Eur. I, B. P. 1973, Ph. Franç. IX, Reag. Ph. Eur. I *D(+)-Saccharose / D(+)-Sacarosa* $C_{12}H_{22}O_{11}$ $M = 342{,}30$ g/mol specific rotation ($[\alpha]_D^{20}$, c = 20,0 in H_2O) ..... +66,2° to +66,8° sulphated ash ..... 0,01% acidly or alkalinely reacting impurities ..... passes test barium (Ba) ..... passes test lead (Pb) ..... 0,00002% sulphite (SO_3) ..... passes test dextrines ..... passes test dye-stuffs ..... passes test foreign sugar ..... passes test glucose and invert sugar ..... passes test	PF. PF. PF. S. FTP. *1701*	250 g 1 kg 2,5 kg 50 kg 50 kg	8,75 22,— 47,— price on request price on request	7,45 18,70 39,—	7,— 17,60 36,65	6,55 16,95 35,25
	Safraniline see Rhodamine B						
	Safranin B extra see Phenosafranin						
32963	**Safranin solution** aqueous, according to Olt for microscopy *Safranine en solution / Safranina en solución* 1 L ≈ 1,00 kg	PF. *3819*	250 ml	13,25	11,25	10,60	9,95
32610	**Safranin T** (C. I. No. 50240, S. No. 967) redox indicator and for microscopy E_0 at pH 7—0,29 Volt, rH 4—7,5 *Safranine T / Safranina T*	WG. WG. *3205*	25 g 100 g	8,25 23,50	7,— 20,—	6,60 18,80	6,20 17,65
64832 100 °C	**Safrole** PROSYNTH® *Safrole / Safrol* $CH_2=CHCH_2C_6H_3OCH_2O$ $C_{10}H_{10}O_2$ $M = 162{,}19$ g/mol 1 L ≈ 1,09 kg assay (GC) ..... 99% boiling range ..... 232—234 °C refractive index (n_D^{20}) 1,535	FL. *2910*	500 ml	131,—	111,35	104,80	100,85
39171	**D-Salicin** BIOSYNTH® *D-Salicine / D-Salicina* $HOCH_2CH(CHOH)_3CH(OC_6H_4CH_2OH)O$ $C_{13}H_{18}O_7$ $M = 286{,}28$ g/mol melting range ..... 197—199 °C specific rotation ($[\alpha]_D^{20}$; c = 3 in H_2O) ..... −63° ± 1°	WG. *2941*	10 g	51,—	43,35	40,80	38,25
	Salicin yellow see Alizarin yellow GG						
	Salicyl alcohol see 2-Hydroxybenzyl alcohol						

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70	**Salicylaldehyde** PROSYNTH® *Aldéhyde salicylique / Salicilaldehido* $C_6H_4(CHO)(OH)$ $C_7H_6O_2$ $M = 122{,}12$ g/mol 1 L ≈ 1,16 kg assay (GC) ..... 99% boiling range ..... 195—197 °C refractive index (n_D^{20}) 1,573	FL. FL. 2911	100 ml 1 L	11,75 77,50	10,— 65,90	9,40 62,—	8,80 59,70
08	**Salicylaldoxime** R. G. *Salicylaldoxime / Salicilaldoxima* $C_6H_5(OH)[CH(=N)OH]$ $C_7H_7NO_2$ $M = 137{,}14$ g/mol assay (ex N) ..... min. 98% melting range ..... 58—60 °C sulphated ash ..... max. 0,05% suitability for determination of metals ..... passes test	PF. PF. 2929	25 g 100 g	21,50 66,50	18,30 56,55	17,20 53,20	16,15 49,90
71	**Salicylamide** PROSYNTH® *Salicylamide / Salicilamida* $C_6H_4(CONH_2)(OH)$ $C_7H_7NO_2$ $M = 137{,}14$ g/mol assay (GC) ..... 99% melting range ..... 140—142 °C	PF. PF. 2925	500 g 2,5 kg	20,75 82,—	17,65 68,05	16,60 63,95	16,— 61,50
01	**Salicylic acid** chem. pure Ph. Eur. I, B.P. 1973, Ph. Franç. IX, Reag. Ph. Eur. I *Acide salicylique / Acido salicílico* $C_6H_4(COOH)(OH)$ $C_7H_6O_3$ $M = 138{,}12$ g/mol assay ..... 99,8% sulphated ash ..... 0,05% heavy metals (as Pb) ..... 0,0005% chloride (Cl) ..... 0,01% sulphate (SO_4) 0,01%	PF. PF. FTP. FTP. 2916	1 kg 5 kg 50 kg 2x	22,50 92,— kg kg	19,15 76,35 10,50 10,—	18,— 71,75	17,35 69,—
	Salicylsulphonic acid see Sulphosalicylic acid						
86	**Samarium** powder *Samarium / Samario* Sm $M = 150{,}4$ g/mol assay 99%	FL. 2805	1 g	35,50	30,20	28,40	26,65
87 2811 3	**Samarium fluoride** *Samarium fluorure / Samario fluoruro* SmF_3 $M = 207{,}40$ g/mol assay 99%	WG. 2852	10 g	110,50	93,95	88,40	82,90
88 1477 2	**Samarium nitrate-5-hydrate** *Samarium nitrate-5-hydrate / Samario nitrato-5-hidrato* $Sm(NO_3)_3 \cdot 5H_2O$ $M = 426{,}49$ g/mol	WG. 2852	10 g	39,25	33,35	31,40	29,45
89	**Samarium oxide** *Samarium oxyde / Samario óxido* Sm_2O_3 $M = 348{,}80$ g/mol assay 99%	WG. 2852	10 g	23,75	20,20	19,—	17,80
09	**Saponin** pure *Saponine / Saponina*	PF. PF. FTP. 2941	100 g 1 kg 50 kg	29,— 218,—	24,65 185,30 price on request	23,20 174,40	21,75 167,85
08	**Saponin** purified *Saponine / Saponina*	PF. PF. 2941	250 g 1 kg	29,50 98,50	25,10 83,75	23,60 78,80	22,15 75,85

Code-Number
A) RID/ADR
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Code-Number		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96 (16 Box
16145	**Sarcosine** technical cryst. *Sarcosine / Sarcosina* CH_3NHCH_2COOH $C_3H_7NO_2$ $M = 89{,}09$ g/mol assay ..... 98,5% melting point ..... abt. 208 °C	PF. *2923*	1 kg	54,—	45,90	43,20	41,(
60408	**Sarcosine anhydride** PROSYNTH® *Anhydride sarcosine / Anhídrido sarcosínia* $CH_3NCH_2CON(CH_3)CH_2CO$ $C_6H_{10}N_2O_2$ $M = 142{,}16$ g/mol assay (ex N) ..... 98% melting range ..... 145—148 °C	PF. PF. *2923*	25 g 100 g	42,75 144,—	36,35 122,40	34,20 115,20	32,(108,
10447	**Scandium** powder *Scandium / Scandia* Sc $M = 44{,}96$ g/mol	WG. *2805*	1 g	262,—	222,70	209,60	196,5
	Scatol see 3-Methylindole						
	Scatol-ω-acetic acid see 3-Indolpropionic acid						
36078 A 3/5 C 3.2 1142 2 +15 °C	**Schlesinger's reagent** for urobilin *Réactif de Schlesinger / Reactivo de Schlesinger* **1 L ≈ 1,00 kg** R: 11 S: 7-16 disposal: 6	FL. *3819*	250 ml	10,75	9,15	8,60	8,(
56040 A 3/3 C 3.3 1307 2 +26 °C	**Scintillation cocktail 303 E** *Scintillation-cocktail 303 E / Escintilación-cóctel 303 E* R: 10-20 S: 24/25 disposal: 6	FL. ALU. *3819*	2,5 L 5 L	62,— 108,50	51,45 90,05	48,35 84,65	46, 81,(
56039 A 3/3 C 3.3 1307 2 +26 °C	**Scintillation cocktail 808 E** *Scintillation-cocktail 808 E / Escintilación-cóctel 808 E* R: 10-20 S: 24/25 disposal: 6	FL. ALU. *3819*	2,5 L 5 L	77,50 136,50	64,35 113,30	60,45 106,45	58, 102,
56043 A 3/3 C 3.3 1307 2 +26 °C	**Scintillator 303** *Scintillateur 303 / Escintilador 303* R: 10-20 S: 24/25 disposal: 6	FL. FL. ALU. *3819*	1 L 2,5 L 5 L	15,75 32,75 58,50	13,40 27,20 48,55	12,60 25,55 45,65	12, 24, 43,
56044 A 3/3 C 3.3 1307 2 +26 °C	**Scintillator 808** *Scintillateur 808 / Escintilador 808* R: 10-20 S: 24/25 disposal: 6	FL. FL. ALU. *3819*	1 L 2,5 L 5 L	18,— 38,— 68,—	15,30 31,55 56,45	14,40 29,65 53,05	13, 28, 51,

Scintillators

Chemicals for measuring scintillation see respective article.
Complete range see appendix.

31624	**Sea sand** R. G. acid washed and calcined *Sable de mer / Arena de mar* iron soluble in acid (Fe) ..... max. 0,01% soluble in hydrochloric acid ..... max. 0,15% loss on ignition ..... max. 0,1% chloride (Cl) ..... max. 0,005% granulation ..... abt. 0,1—0,3 mm	PF. PF. PF. FTP. *2505*	500 g 1 kg 5 kg 50 kg	19,— 31,75 134,50 kg	16,15 27,— 111,65 16,—	15,20 25,40 104,90	14, 24, 100,
18649	**Sea sand** hydrochloric acid washed *Sable de mer / Arena de mar*	PF. PF. S. S. *2505*	1 kg 5 kg 50 kg 5x	13,50 46,— kg kg	11,50 38,20 4,50 4,30	10,80 35,90	10 34

refer explanations

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48	**Sea sand** crude calcined for cleaning platinum crucibles *Sable de mer / Arena de mar*	PF. S. 2505	5 kg 50 kg	35,75 kg	29,65 2,—	27,90	26,80
05	**Sebacic acid** cryst. *Acide sébacique / Acido sebácico* $HOOC(CH_2)_8COOH$ $C_{10}H_{18}O_4$ $M = 202{,}25$ g/mol assay ..... 99% melting range ..... 130—132 °C sulphated ash 0,1%	PF. S. 2915	500 g 25 kg	44,25 price on request	37,60	35,40	34,05
	Sebacic acid-bis(2-ethylhexyl ester) see Bis(2-ethylhexyl)-sebacate						
700 1/21 1 1935 1	**Sebacic acid dinitrile** PROSYNTH® *Acide sébacique dinitrile / Acido sebácico dinitrilo* $NC(CH_2)_8CN$ $C_{10}H_{16}N_2$ $M = 164{,}25$ g/mol 1 L ≈ 0,92 kg assay (GC) ..... 96% boiling range (at 21 mbar) ..... 201—203 °C refractive index (n_D^{20}) 1,448	FL. 2927	25 ml	22,—	18,70	17,60	16,50
162	**D-Sedoheptulose monohydrate** BIOSYNTH® *D-Sédoheptulose monohydraté / D-Sedoheptulosa monohidrato* ampoule of 250 mg $C_7H_{12}O_8 \cdot H_2O$ $M = 210{,}18$ g/mol melting range ..... 102—104 °C specific rotation ($[\alpha]_D^{20}$; c = 2 in H_2O) ..... −134° ± 2°	2935	1 pack	42,75	36,35	34,20	32,05
	Seignette salt see Potassium sodium tartrate						
110 1	**Selenium** chem. pure slabs *Sélénium / Selenio* Se $M = 78{,}96$ g/mol R: 23/25-33 S: 20/21-28-44 disposal: 24	PF. 2804	25 g	18,50	15,75	14,80	13,90
112 .1 .1 2811 2	**Selenium** grey powder *Sélénium / Selenio* Se $M = 78{,}96$ g/mol assay ..... min. 99,5% R: 23/25-33 S: 20/21-28-44 disposal: 24	WG. 2804	100 g	51,—	43,35	40,80	38,25
533 .1 .1 2810	**0,100 g Selenium** FIXANAL® water-soluble standard for atom absorption *0,100 g Sélénium / 0,100 g Selenio* ampoule	3819	1 pack	10,25	8,70	8,20	7,70
573	**1,00 g Selenium** FIXANAL® watersoluble standard for atom absorption *1,00 g Sélénium / 1,00 g Selenio* ampoule R: 25-36/38 S: 25-44 disposal: 10	3819	1 pack	10,25	8,70	8,20	7,70
090 .1 .1 2811 3	**Selenium mixture** for the quick determination of nitrogen according to Wieninger *Mélange de sélénium / Mezcla reactiva de selenio* R: 23/25-33 S: 20/21-28-44 disposal: 10	PF. PF. PF. 3819	250 g 1 kg 5 kg	10,75 29,— 120,50	9,15 24,65 100,—	8,60 23,20 94,—	8,05 22,35 90,40

HYDRANAL® a new Karl Fischer reagent

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10106 A 8/12 C 8 1759 2	**Selenium tetrachloride** *Sélénium tétrachlorure / Selenio tetracloruro* $SeCl_4$ $M = 220{,}77$ g/mol R: 23/25-33 S: 20/21-28-44 disposal: 10	WG. *2814*	50 g	51,50	43,80	41,20	38,6
64836 A 6.1/21 C 6.1 2811 2	**Selenourea** PROSYNTH® *Sélénourée / Selenourea* NH_2CSeNH_2 CH_4N_2Se $M = 123{,}02$ g/mol assay (ex N) ..... 99% melting range ..... 211–214 °C (disint.) R: 23/25-33 S: 20/21-28-44 disposal: 10	FL. *2934*	1 g	35,—	29,75	28,—	26,2
10118 A 6.1 C 6.1 2811 2	**Selenous acid** cryst. *Acide sélénieux / Acido selenioso* H_2SeO_3 $M = 128{,}97$ g/mol assay ..... 99% residue on ignition ..... 0,2% iron (Fe) ..... 0,01% chloride (Cl) ..... 0,005% sulphate (SO_4) ..... 0,01% R: 23/25-33 S: 20/21-28-44 disposal: 10	PF. PF. *2813*	100 g 250 g	26,75 61,50	22,75 52,30	21,40 49,20	20,0 46,1
33614	**Semicarbazide hydrochloride** R. G. *Sémicarbazide chlorhydrate / Semicarbazida clorhidrato* $NH_2NHCONH_2 \cdot HCl$ CH_6ClN_3O $M = 111{,}53$ g/mol assay ..... min. 99,0% melting range ..... 174–177 °C sulphated ash ..... max. 0,02% hydrazine (N_2H_4) ..... max. 0,01%	PF. PF. *2929*	25 g 100 g	13,25 36,—	11,25 30,60	10,60 28,80	9,9 27,-
	Sensitizers see Photographic dyes. Please ask for the relevant list.						
39033	**L(+)-Serine** BIOSYNTH® *L(+)-Sérine / L(+)-Serina* $HOCH_2CH(NH_2)COOH$ $C_3H_7NO_3$ $M = 105{,}09$ g/mol assay (ex N) ..... 99% specific rotation ($[\alpha]_D^{25}$; c = 9 in HCl 1 mol/l) . +14° ± 1°	WG. *2923*	10 g	13,25	11,25	10,60	9,9
39095	**L-Serine methyl ester hydrochloride** BIOSYNTH® *Méthyle L-sérinate chlorhydrate / Metilo L-serinato clorhidrato* $HOCH_2CH(NH_2)COOCH_3 \cdot HCl$ $C_4H_{10}ClNO_3$ $M = 155{,}58$ g/mol assay (ex N) ..... 98% keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	WG. *2923*	10 g	49,75	42,30	39,80	37,3
39207	**Serotonin-creatinine sulphate monohydrate** BIOSYNTH® *Sérotonine-créatinine sulfate monohydraté / Serotonina-creatinina sulfato monohidrato* $HOC_6H_3NHCH{=}CCH_2CH_2NH_2 \cdot C_4H_7N_3O \cdot H_2SO_4 \cdot H_2O$ $C_{14}H_{21}N_5O_6S \cdot H_2O$ $M = 405{,}43$ g/mol assay (ex N) ..... 99% keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	FL. *2935*	1 g	16,50	14,05	13,20	12,4

de-Number ID/ADR GVE/GGVS MDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
690	**Silica gel D** for thin-layer chromatography without binding medium addition *Gel de silice D / Silicagel D* pH (10%, 20 °C) ..... 7 granulation ..... less than 30 µm (400 mesh ASTM)	PF. PF. *2813*	250 g 1 kg	14,50 42,75	12,35 36,35	11,60 34,20	10,90 32,90
691	**Silica gel DF** for thin-layer chromatography with luminous pigment addition for short-wave UV (254 nm). *Gel de silice DF / Silicagel DF* pH (10%, 20 °C) ..... 7 granulation ..... less than 30 µm (400 mesh ASTM)	PF. PF. *2813*	250 g 1 kg	15,75 46,—	13,40 39,10	12,60 36,80	11,80 35,40
693	**Silica gel DG** for thin-layer chromatography *Gel de silice DG / Silicagel DG* gypsum content ..... 13% pH (10%, 20 °C) ..... 7 granulation ..... less than 30 µm (400 mesh ASTM)	PF. PF. *2813*	250 g 1 kg	14,50 42,75	12,35 36,35	11,60 34,20	10,90 32,90
694	**Silica gel DGF** for thin-layer chromatography with luminous pigment addition for short-wave UV (254 nm) *Gel de silice DGF / Silicagel DGF* gypsum content ..... 13% pH (10%, 20 °C) ..... 7 granulation ..... less than 30 µm (400 mesh ASTM)	PF. PF. *2813*	250 g 1 kg	15,75 46,—	13,40 39,10	12,60 36,80	11,80 35,40
1607	**Silica gel S** 0,032—0,063 mm for column chromatography *Gel de silice S / Silicagel S* pH (10%, 20 °C) ..... 7 granulation ..... 32—63 µm (230—400 mesh ASTM) pour density ..... 0,4 g/ml	PF. *2813*	1 kg	74,50	63,35	59,60	57,35
1608	**Silica gel S** 0,063—0,1 mm for column chromatography *Gel de silice S / Silicagel S* pH (10%, 20 °C) ..... 7 granulation ..... 63—100 µm (150—230 mesh ASTM) pour density ..... 0,5 g/ml	PF. PF. *2813*	250 g 1 kg	20,50 60,—	17,45 51,—	16,40 48,—	15,40 46,20
1643	**Silica gel S** 0,2—0,5 mm for column chromatography *Gel de silice S / Silicagel S* pH (10%, 20 °C) ..... 7 granulation ..... 200—500 µm (35—70 mesh ASTM) pour density ..... 0,5 g/ml	PF. PF. *2813*	250 g 1 kg	16,75 49,25	14,25 41,85	13,40 39,40	12,55 37,90
1802	**Silica gel 60 HPLC** 0,005 mm (5 µm) for high-pressure-liquid chromatography *Gel de silice 60 HPLC / Silicagel 60 HPLC* pH (10%, 20 °C) ..... 6,5—7,0 granulation ..... 5 ± 2,5 µm pore volume ..... 0,75 ml/g specific surface ..... abt. 500 m^2/g middle pore diameter ..... 6 nm	WG. *2813*	10 g	68,—	57,80	54,40	51,—
1803	**Silica gel 60 HPLC** 0,010 mm (10 µm) for high-pressure-liquid chromatography *Gel de silice 60 HPLC / Silicagel 60 HPLC* pH (10%, 20 °C) ..... 6,5—7,0 granulation ..... 10 ± 2,5 µm pore volume ..... 0,75 ml/g specific surface ..... abt. 500 m^2/g middle pore diameter 6nm	WG. *2813*	10 g	68,—	57,80	54,40	51,—
1804	**Silica gel 60 HPLC** 0,015 mm (15 µm) for high-pressure-liquid chromatography *Gel de silice 60 HPLC / Silicagel 60 HPLC* pH (10%, 20 °C) ..... 6,5—7,0 granulation ..... 15 ± 2,5 µm pore volume ..... 0,75 ml/g specific surface ..... abt. 500 m^2/g middle pore diameter ..... 6 nm	WG. *2813*	10 g	54,50	46,35	43,60	40,90

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
39805	**Silica gel 60 HPLC** 0,020 mm (20 µm) for high-pressure-liquid chromatography *Gel de silice 60 HPLC / Silicagel 60 HPLC* pH (10%, 20 °C) ..... 6,5—7,0 granulation ..... 20 ± 2,5 µm pore volume ..... 0,75 ml/g specific surface ..... abt. 500 m^2/g middle pore diameter ..... 6 nm	WG. *2813*	10 g	54,50	46,35	43,60	40,90
39806	**Silica gel 60 HPLC** 0,005-0,020 mm (5-20 µm) for high-pressure-liquid chromatography *Gel de silice 60 HPLC / Silicagel 60 HPLC* pH (10%, 20 °C) ..... 6,5—7,0 granulation ..... 5—20 µm pore volume ..... 0,75 ml/g specific surface ..... abt. 500 m^2/g middle pore diameter ..... 6 nm	WG. *2813*	10 g	35,—	29,75	28,—	26,25
39807	**Silica gel 60 HPLC** 0,020-0,032 mm (20-32 µm) for high-pressure-liquid chromatography *Gel de silice 60 HPLC / Silicagel 60 HPLC* pH (10%, 20 °C) ..... 6,5—7,0 granulation ..... 20—32 µm pore volume ..... 0,75 ml/g specific surface ..... abt. 500 m^2/g middle pore diameter ..... 6 nm	WG. *2813*	10 g	27,25	23,15	21,80	20,45
39828	**Silica gel 60 HPLC** 0,005 mm (5 µm) C_8-reverse phase for high-pressure-liquid chromatography *Gel de silice 60 HPLC / Silicagel 60 HPLC*	WG. *2813*	10 g	155,—	131,75	124,—	116,25
39829	**Silica gel 60 HPLC** 0,010 mm (10 µm) C_8-reverse phase for high-pressure-liquid chromatography *Gel de silice 60 HPLC / Silicagel 60 HPLC*	WG. *2813*	10 g	142,—	120,70	113,60	106,50
39830	**Silica gel 60 HPLC** 0,005 mm (5 µm) C_{18}-reverse phase for high-pressure-liquid chromatography *Gel de silice 60 HPLC / Silicagel 60 HPLC*	WG. *2813*	10 g	155,—	131,75	124,—	116,25
39831	**Silica gel 60 HPLC** 0,010 mm (10 µm) C_{18}-reverse phase for high-pressure-liquid chromatography *Gel de silice 60 HPLC / Silicagel 60 HPLC*	WG. *2813*	10 g	142,—	120,70	113,60	106,50
39834	**Silica gel 60 HPLC** 0,005 mm (5 µm) CN for high-pressure-liquid chromatography *Gel de silice 60 HPLC / Silicagel 60 HPLC*	WG. *2813*	10 g	176,—	149,60	140,80	132,—
31612	**Silica gel S** 0,063—0,2 mm for column chromatography *Gel de silice S / Silicagel S* pH (10%, 20 °C) ..... 7 granulation ..... 63—200 µm (70—230 mesh ASTM) pour density ..... 0,5 g/ml	PF. FTP. *2813*	1 kg 25 kg	45,75	38,90	36,60	35,25
				price on request			
39835	**Silica gel 60 HPLC** 0,010 mm (10 µm) CN for high-pressure-liquid chromatography *Gel de silice 60 HPLC / Silicagel 60 HPLC*	WG. *2813*	10 g	161,—	136,85	128,80	120,75
39832	**Silica gel 60 HPLC** 0,005 mm (5 µm) NH_2 for high-pressure-liquid chromatography *Gel de silice 60 HPLC / Silicagel 60 HPLC*	WG. *2813*	10 g	155,—	131,75	124,—	116,25
39833	**Silica gel 60 HPLC** 0,010 mm (10 µm) NH_2 for high-pressure-liquid chromatography *Gel de silice 60 HPLC / Silicagel 60 HPLC*	WG. *2813*	10 g	143,—	121,55	114,40	107,25
39836	**Silica gel 60 HPLC** 0,005 mm (5 µm) NO_2 for high-pressure-liquid chromatography *Gel de silice 60 HPLC / Silicagel 60 HPLC*	WG. *2813*	10 g	176,—	149,60	140,80	132,—
39837	**Silica gel 60 HPLC** 0,010 mm (10 µm) NO_2 for high-pressure-liquid chromatography *Gel de silice 60 HPLC / Silicagel 60 HPLC*	WG. *2813*	10 g	161,—	136,85	128,80	120,75

refer explanations

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7710	**Silica gel** granulation 1,5—3 mm *Gel de silice / Silicagel*	PF.	500 g	16,—	13,60	12,80	12,30
		PF.	1 kg	29,—	24,65	23,20	22,35
		2813					
7711	**Silica gel** with moisture indicator (blue gel) Reag. Ph. Eur. I *Gel de silice / Silicagel* size of pores ..... 25 Å porosity ..... 0,53 cm^3/g bulk density ..... 0,6 g/ml particle size ..... 0,5—1 mm active surface ..... 800 m^2/g loss on igniton (900 °C) ..... 8% water absorbing property: at 20% relative humidity ..... 12% at 40% relative humidity ..... 24% at 60% relative humidity ..... 30% at 80% relative humidity 36%	PF.	500 g	15,—	12,75	12,—	11,55
		PF.	1 kg	27,75	23,60	22,20	21,35
		PF.	2,5 kg	59,—	48,95	46,—	44,25
		BLT.	25 kg	kg	9,95		
		3819					
3745	**Silica gel** with moisture indicator pearls *Gel de silice / Silicagel*	PF.	500 g	17,50	14,90	14,—	13,50
		PF.	1 kg	32,—	27,20	25,60	24,65
		PF.	2,5 kg	68,—	56,45	53,05	51,—
		BLT.	50 kg	kg	11,90		
		3819					
7614	**TLC-Plates, pre-coated SI 10 × 20 cm Silica gel** on glass plates *Plaques CCM finies SI 10 × 20 cm / DC-Placas preparadas SI 10 × 20 cm* package with 50 plates	7604	1 pack	93,—	79,05	74,40	69,75
7613	**TLC-Plates, pre-coated SIF 10 × 20 cm Silica gel** with fluorescent indicator 254 nm on glass plates *Plaques CCM finies SIF 10 × 20 cm / DC-Placas preparadas SIF 10 × 20 cm* package with 50 plates	7604	1 pack	93,—	79,05	74,40	69,75
7346	**TLC-Cards SI 10 × 20 cm Silica gel** on aluminium sheets layer thickness 0,2 mm *Feuilles CCM SI 10 × 20 cm / CCF-Tarjetas SI 10 × 20 cm* package with 20 sheets	7604	1 pack	27,75	23,60	22,20	20,80
7361	**TLC-Cards SI 20 × 20 cm Silica gel** on aluminium sheets layer thickness 0,2 mm *Feuilles CCM SI 20 × 20 cm / CCF-Tarjetas SI 20 × 20 cm* package with 25 sheets	7604	1 pack	53,50	45,50	42,80	40,15
7345	**TLC-Cards SIF 10 × 20 cm Silica gel** with fluorescent indicator 254 nm on aluminium sheets layer thickness 0,2 mm *Feuilles CCM SIF 10 × 20 cm / CCF-Tarjetas SIF 10 × 20 cm* package with 20 sheets	7604	1 pack	27,75	23,60	22,20	20,80
7600	**TLC-Plates, pre-coated SI 20 × 20 cm Silica gel** on glass plates layer thickness 0,25 mm *Plaques CCM finies SI 20 × 20 cm / CCF-Placas SI preparadas 20 × 20 cm* package with 25 plates	7604	1 pack	75,50	64,20	60,40	56,65
7601	**TLC-Plates, pre-coated SIF 20 × 20 cm Silica gel** with fluorescent indicator 254 nm on glass plates layer thickness 0,25 mm *Plaques CCM finies SIF 20 × 20 cm / CCF-Placas preparadas SIF 20 × 20 cm* package with 25 plates	7604	1 pack	98,50	83,75	78,80	73,90

LUMILUX® phosphorescent and fluorescent pigments

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
37341	**TLC-Micro-Cards SIF 5 × 10 cm Silica gel** with fluorescent indicator 254 nm on aluminium sheets layer thickness 0,2 mm *Micro-Feuilles CCM SIF 5 × 10 cm / CCF-Micro-Tarjetas SIF 5 × 10 cm* package with 50 sheets	*7604*	1 pack	21,75	18,50	17,40	16,3
37360	**TLC-Cards SIF 20 × 20 cm Silica gel** with fluorescent indicator 254 nm on aluminium sheets layer thickness 0,2 mm *Feuilles CCM SIF 20 × 20 cm / CCF-Tarjetas SIF 20 × 20 cm* package with 25 sheets	*7604*	1 pack	53,50	45,50	42,80	40,1
13712	**Silicic acid** pure powder *Acide silicique / Acido silícico* $SiO_2 \cdot xH_2O$ M = (anhydrous) 60,08 g/mol loss on ignition (1000 °C, 1 h) ..... 10% residue on fluoration (as sulphates) 1,2%	PF.	1 kg	17,50	14,90	14,—	13,5
		PF.	2,5 kg	37,25	30,90	29,05	27,9
		S.	25 kg	price on request			
		2813					
13719	**Silicic acid** pure anhydrous *Acide silicique / Acido silícico* SiO_2 M = 60,08 g/mol loss on ignition (1000 °C, 1 h) ..... 0,3% residue on fluoration (as sulphates) ..... 1,5% iron (Fe) 0,02%	PF.	250 g	22,75	19,35	18,20	17,0
		PF.	1 kg	66,50	56,55	53,20	51,2
		2813					
	Silicic acid native white powder see Quartz white powder						
13733 C 4.1 1346 3	**Silicon** technical finest powder *Silicium / Silicio* Si M = 28,09 g/mol assay 97,5%	PF.	1 kg	22,75	19,35	18,20	17,5
		PF.	5 kg	85,50	70,95	66,70	64,1
		BLT.	50 kg	price on request			
		2804					
13732 C 4.1 1346 3	**Silicon** technical powder *Silicium / Silicio* Si M = 28,09 g/mol assay 97,5%	PF.	1 kg	19,—	16,15	15,20	14,6
		PF.	5 kg	71,—	58,95	55,40	53,2
		BLT.	50 kg	price on request			
		2804					
38627	**0,100 g Silicon** FIXANAL® water-soluble standard for atom absorption *0,100 g Silicium / 0,100 g Silicio* ampoule	*3819*	1 pack	10,25	8,70	8,20	7,7
38575	**1,00 g Silicon** FIXANAL® watersoluble standard for atom absorption *1,00 g Silicium / 1,00 g Silicio* ampoule	*3819*	1 pack	10,25	8,70	8,20	7,7
	Silicon dioxide see Silicic acid						
39650	**Silicone DC 200** for gas chromatography *Silicone DC 200 / Silicona DC 200* 1 L ≈ 1,04 kg working temperature ..... 20 to 200 °C	FL. *3901*	50 ml	17,—	14,45	13,60	12,7
39651	**Silicone DC 550** for gas chromatography *Silicone DC 550 / Silicona DC 550* 1 L ≈ 1,06 kg working temperature ..... to 200 °C	FL. *3901*	50 ml	22,50	19,15	18,—	16,8
39652	**Silicone DC FS 1265** (Silicone DC QF-1) for gas chromatography *Silicone DC FS 1265 / Silicona DC FS 1265* working temperature ..... to 225 °C	FL. *3901*	25 g	47,—	39,95	37,60	35,2

refer explanations

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53	**Silicone DC high vacuum grease** for gas chromatography *Silicone DC graisse lourde pour la vide / Silicona DC grasa de alto vacuo* working temperature ..... to 300 °C	WG. 3901	50 g	18,—	15,30	14,40	13,50
54	**Silicone GE SE-30** for gas chromatography *Silicone GE SE-30 / Silicona GE SE-30* working temperature ..... 50 to 280 °C	WG. 3901	50 g	22,—	18,70	17,60	16,50
55	**Silicone GE SE-52** for gas chromatography *Silicone GE SE-52 / Silicona GE SE-52* working temperature ..... 50 to 280 °C	WG. 3901	50 g	46,—	39,10	36,80	34,50
56	**Silicone GE SE-54** for gas chromatography *Silicone GE SE-54 / Silicona GE SE-54* working temperature ..... 50 to 280 °C	WG. 3901	50 g	49,25	41,85	39,40	36,95
57	**Silicone GE XE-60** for gas chromatography *Silicone GE XE-60 / Silicona GE XE-60* working temperature ..... to 230 °C	WG. 3901	10 g	104,—	88,40	83,20	78,—
58	**Silicone OV-1** for gas chromatography *Silicone OV-1 / Silicona OV-1* working temperature ..... 80 to 350 °C	WG. 3901	10 g	122,50	104,15	98,—	91,90
59	**Silicone OV-3** for gas chromatography *Silicone OV-3 / Silicona OV-3* working temperature ..... to 350 °C	WG. 3901	10 g	61,50	52,30	49,20	46,15
60	**Silicone OV-7** for gas chromatography *Silicone OV-7 / Silicona OV-7* working temperature ..... to 350 °C	WG. 3901	10 g	61,50	52,30	49,20	46,15
61	**Silicone OV-11** for gas chromatography *Silicone OV-11 / Silicona OV-11* working temperature ..... to 350 °C	WG. 3901	10 g	61,50	52,30	49,20	46,15
62	**Silicone OV-17** for gas chromatography *Silicone OV-17 / Silicona OV-17* working temperature ..... to 350 °C	WG. 3901	10 g	61,50	52,30	49,20	46,15
63	**Silicone OV-22** for gas chromatography *Silicone OV-22 / Silicona OV-22* working temperature ..... to 350 °C	WG. 3901	10 g	142,—	120,70	113,60	106,50
64	**Silicone OV-25** for gas chromatography *Silicone OV-25 / Silicona OV-25* working temperature ..... to 350 °C	WG. 3901	10 g	142,—	120,70	113,60	106,50
65	**Silicone OV-61** for gas chromatography *Silicone OV-61 / Silicona OV-61* working temperature ..... 30 to 350 °C	WG. 3901	10 g	142,—	120,70	113,60	106,50
66	**Silicone OV-101** for gas chromatography *Silicone OV-101 / Silicona OV-101* working temperature ..... 30 to 350 °C	WG. 3901	10 g	125,50	106,70	100,40	94,15
67	**Silicone OV-210** for gas chromatography *Silicone OV-210 / Silicona OV-210* working temperature ..... to 275 °C	WG. 3901	10 g	125,50	106,70	100,40	94,15
68	**Silicone OV-225** for gas chromatography *Silicone OV-225 / Silicona OV-225* working temperature ..... to 275 °C	WG. 3901	10 g	175,—	148,75	140,—	131,25

Code-Number
A) RID/ADR
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C) IMDG-CODE (GGVSee)

		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
13736 A 8/11 C 8 1818 2	**Silicon tetrachloride** technical *Silicium tétrachlorure / Silicio tetracloruro* $SiCl_4$ M = 169,90 g/mol — 1 L ≈ 1,48 kg assay ..... 99,8 % boiling range ..... 56–58 °C R: 14-36/37/38 S: 7/8-26 disposal: 11	FL. STP. *2814*	1 L 40 kg	27,75	23,60	22,20	21,3
	Silicotungstic acid see Tungstosilicic acid						
	Silvan see 2-Methylfuran						
10453	**Silver** wire 1 mm ∅ *Argent / Plata* Ag M = 107,87 g/mol Gehalt ..... 99 % assay ..... 99 %	PF. *7105*	10 g	price on request			
38626	**0,100 g Silver** FIXANAL® water-soluble standard for atom absorption *0,100 g Argent / 0,100 g Plata* ampoule	*3819*	1 pack	price on request			
38574	**1,00 g Silver** FIXANAL® watersoluble standard for atom absorption *1,00 g Argent / 1,00 g Plata* ampoule R: 34 S: 2-26	*3819*	1 pack	price on request			
63050	**Silver acetate** PROSYNTH® *Argent acétate / Plata acetato* CH_3COOAg $C_2H_3AgO_2$ M = 166,91 g/mol assay (ex Ag) ..... 99 %	PF. *2849*	25 g	price on request			
10448	**Silver bromide** *Argent bromure / Plata bromuro* AgBr M = 187,77 g/mol	WG. *2849*	25 g	price on request			
10209	**Silver carbonate** *Argent carbonate / Plata carbonato* Ag_2CO_3 M = 275,75 g/mol assay ..... 99,9 % lead (Pb) ..... 0,001 % iron (Fe) ..... 0,0005 % copper (Cu) ..... 0,0002 % sodium (Na) ..... 0,01 %	PF. PF. PF. *2849*	25 g 100 g 250 g	price on request price on request price on request			
10213	**Silver chloride** *Argent chlorure / Plata cloruro* AgCl M = 143,32 g/mol assay ..... 99,6 % lead (Pb) ..... 0,0005 % iron (Fe) ..... 0,0002 % copper (Cu) ..... 0,0002 % sodium (Na) ..... 0,0005 % sulphate (SO_4) ..... 0,001 %	WG. WG. *2849*	25 g 100 g	price on request price on request			
10449	**Silver chromate** *Argent chromate / Plata cromato* Ag_2CrO_4 M = 331,73 g/mol assay ..... 99 %	WG. *2849*	10 g	price on request			

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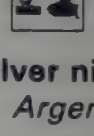
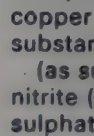
0211 6.1/31A 6.1 1684 2	**Silver cyanide** *Argent cyanure / Plata cianuro* AgCN M = 133,89 g/mol  R: 26/27/28-32 S: 1/2-7-28-29-45 disposal: 22	PF. *2849*	25 g	price on request			
1628	**Silver diethyldithiocarbamate** R. G., Reag. Ph. Eur. I *Argent diéthyldithiocarbamate / Plata dietilditiocarbamato* $AgSCSN(C_2H_5)_2$ $C_5H_{10}AgNS_2$ M = 256,14 g/mol  R: 23/24/25 S: 44 disposal: 24	WG. *2931*	5 g	price on request			
0212 6.1 2811 3	**Silver difluoride** *Argent difluorure / Plata difluoruro* AgF_2 M = 145,86 g/mol	FL. *2849*	5 g	price on request			
0217	**Silver iodide** *Argent iodure / Plata yoduro* AgJ M = 234,77 g/mol assay ..... 99,9% lead (Pb) ..... 0,0005% iron (Fe) ..... 0,0002% copper (Cu) ..... 0,0002% sodium (Na) ..... 0,0005% sulphate (SO_4) 0,001%	WG. WG. *2849*	25 g 100 g	price on request price on request			
0630 6.1 1493 2	**Silver nitrate** R. G., Reag. Ph. Eur. I *Argent nitrate / Plata nitrato* $AgNO_3$ M = 169,87 g/mol assay ..... min. 99,5% insoluble in water ..... max. 0,005% lead (Pb) ..... max. 0,001% iron (Fe) ..... max. 0,0005% copper (Cu) ..... max. 0,0005% substances not precipitated by hydrochloric acid (as sulphates) ..... max. 0,04% chloride (Cl) ..... max. 0,0001% nitrite (NO_2) ..... max. 0,05% sulphate (SO_4) ..... max. 0,01% R: 34 S: 2-26 disposal: 24	PF. PF. PF. PF. *2849*	25 g 100 g 250 g 1 kg	price on request price on request price on request price on request			
0220 6.1 1493 2	**Silver nitrate** cryst. Ph. Eur. I, B. P. 1973, Ph. Franç. IX *Argent nitrate / Plata nitrato* $AgNO_3$ M = 169,87 g/mol assay ..... 99,5% lead (Pb) ..... 0,001% iron (Fe) ..... 0,0005% copper (Cu) ..... 0,0005% substances not precipitated by hydrochloric acid (as sulphates) ..... 0,04% nitrite (NO_2) ..... 0,05% sulphate (SO_4) ..... 0,01% R: 34 S: 2-26 disposal: 24	PF. PF. PF. PF. *2849*	50 g 100 g 500 g 1 kg	price on request price on request price on request price on request			

PANPEHA® universal indicator paper in strips

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		2849	1 pack	price on request			
10223 C 5.1 1493 2	**Silver nitrate** sticks *Argent nitrate / Plata nitrato* $AgNO_3$ *M* = 169,87 g/mol assay ..... 99,8 % lead (Pb) ..... 0,001 % iron (Fe) ..... 0,0005 % copper (Cu) ..... 0,0005 % substances not precipitated by hydrochloric acid (as sulphates) ..... 0,04 % nitrite (NO_2) ..... 0,05 % sulphate (SO_4) ..... 0,01 % R: 34 S: 2-26 disposal: 24	plastic bottle of 100 g					
		2849	1 pack	price on request			
10224 C 5.1 1493 2	**Silver nitrate** sticks *Argent nitrate / Plata nitrato* $AgNO_3$ *M* = 169,87 g/mol assay ..... 99,8 % lead (Pb) ..... 0,001 % iron (Fe) ..... 0,0005 % copper (Cu) ..... 0,0005 % substances not precipitated by hydrochloric acid (as sulphates) ..... 0,04 % nitrite (NO_2) ..... 0,05 % sulphate (SO_4) ..... 0,01 % R: 34 S: 2-26 disposal: 24	plastic bottle of 250 g					
38310	**0,1 mol Silver nitrate** FIXANAL® 16,988 g $AgNO_3$ for 1 L 0,1 N solution *0,1 mol Argent nitrate / 0,1 mol Plata nitrato*	ampoule	*3819*	1 pack	price on request		
38311	**0,5 mol Silver nitrate** FIXANAL® 84,94 g $AgNO_3$ = 0,5 equivalents *0,5 mol Argent nitrate / 0,5 mol Plata nitrato* R: 34 S: 2-26	ampoule	*3819*	1 pack	price on request		
34623	**Silver nitrate solution** R. G. 5% *Argent nitrate en solution / Plata nitrato en solución* $AgNO_3$ *M* = 169,87 g/mol 1 L ≈ 1,05 kg R: 34 S: 2-26 disposal: 24		FL. FL. *2849*	250 ml 1 L	price on request price on request		
35377	**Silver nitrate solution** $^1/_{35,5}$ **mol/l** $^1/_{35,5}$ N volumetric solution *Argent nitrate en solution* $^1/_{35,5}$ *mol/l / Plata nitrato en solución* $^1/_{35,5}$ *mol/l* 1 L ≈ 1,00 kg		FL. *3819*	1 L	price on request		
35375	**Silver nitrate solution 0,1 mol/l** 0,1 N volumetric solution Ph. Eur. I *Argent nitrate en solution 0,1 mol/l / Plata nitrato en solución 0,1 mol/l* 1 L ≈ 1,01 kg		FL. FL. *3819*	500 ml 1 L	price on request price on request		
10221 A 5.1/8 C 5.1 1479 2	**Silver nitrite** *Argent nitrite / Plata nitrito* $AgNO_2$ *M* = 153,87 g/mol R: 22 S: 2-13 disposal: 24		PF. *2849*	25 g	price on request		

refer explanations

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10228	**Silver oxide** *Argent oxyde / Plata óxido* Ag_2O *M* = 231,74 g/mol assay ..... 99,9% lead (Pb) ..... 0,0005% iron (Fe) ..... 0,0005% copper (Cu) ..... 0,0002% sodium (Na) ..... 0,01% sulphate (SO_4) 0,001%	PF. PF. *2849*	25 g 100 g	price on request price on request			
31497 A 5.1/4B C 5.1 1481 2	**Silver perchlorate** *Argent perchlorate / Plata perclorato* $AgClO_4$ *M* = 207,32 g/mol	WG. *2849*	25 g	price on request			
10227	**Silver phosphate** *Argent phosphate / Plata fosfato* Ag_3PO_4 *M* = 418,58 g/mol	*2849*					
	Silver potassium cyanide see Potassium dicyan oargentate						
31494	**Silver sulphate** R. G. *Argent sulfate / Plata sulfato* Ag_2SO_4 *M* = 311,80 g/mol assay ..... min. 99,5% insoluble in water and silver chloride ..... max. 0,02% substances not precipitated by hydrochloric acid ..... max. 0,03% lead (Pb) ..... max. 0,002% iron (Fe) ..... max. 0,002% copper (Cu) ..... max. 0,002% nickel (Ni) ..... max. 0,002% zinc (Zn) ..... max. 0,001%	WG. PF. PF. *2849*	25 g 25 g 100 g	price on request price on request price on request			
10229	**Silver sulphate** *Argent sulfate / Plata sulfato* Ag_2SO_4 *M* = 311,80 g/mol assay ..... 99,9% lead (Pb) ..... 0,0005% iron (Fe) ..... 0,0005% copper (Cu) ..... 0,0002% nitrate (NO_3) 0,3%	PF. PF. PF. *2849*	25 g 100 g 500 g	price on request price on request price on request			
10230	**Silver sulphide** *Argent sulfure / Plata sulfuro* Ag_2S *M* = 247,80 g/mol	PF. *2849*	25 g	price on request			
10411 C 6.1 2811 3	**Silver trifluoroacetate** *Argent trifluoroacétate / Plata trifluoroacetato* $F_3CCOOAg$ $C_2AgF_3O_2$ *M* = 220,88 g/mol assay (ex Ag) ..... 97% R: 26/27/28 S: 1/2-13-45 disposal: 24	FL. *2914*	5 g	price on request			
31631	**Silver wool** for elementary analysis *Argentenlaine / Lana de plata*	PF. *7105*	10 g	price on request			
35780	**Simazine** min. 99% PESTANAL® [2,4-Bis-(ethylamino)-6-chloro-1,3,5-triazine] $ClC{=}NC(NHC_2H_5){=}NC(NHC_2H_5){=}N$ $C_7H_{12}ClN_5$ *M* = 201,66 g/mol	FL. *2935*	1 g	28,25	24,—	22,60	21,20
35366 C 3.2 1142 2 F 22 °C	**Soap solution** according to Boutron and Boudet *Solution de savon / Solución de jabón* 1 L ≈ 0,93 kg R: 11 S: 7-16 disposal: 6	PF. PK. *3819*	1 L 5 L	20,25 76,—	17,20 63,10	16,20 59,30	15,60 57,—

PEHANAL® universal indicator paper in rolls

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
35368 C 3.2 1142 2 +22 °C	**Soap solution** according to Clark *Solution de savon / Solución de jabón* 1 L ≈ 0,92 kg R: 11 S: 7-16 disposal: 6	PF. PK. *3819*	1 L 5 L	20,25 76,—	17,20 63,10	16,20 59,30	15,60 57,—
35370 C 3.2 1142 2 +22 °C	**Soap solution** according to Pellet 1 ml ≙ 0,001 g CaO in 100 ml water = 1 °d German degree of hardness *Solution de savon / Solución de jabón* 1 L ≈ 0,92 kg R: 11 S: 7-16 disposal: 6	PF. PK. *3819*	1 L 5 L	20,25 76,—	17,20 63,10	16,20 59,30	15,60 57,—
	Soap solution according to Blacher see Potassium palmitate solution						
	Soda see Sodium carbonate						
31460	**Soda asbestos** for elementary analysis *Amiante sodé / Amianto de sodio* loss on ignition ..... 20—25 % CO_2-absorption ..... min. 50 %	PF. PF. PF. *3819*	250 g 500 g 1 kg	14,50 23,— 42,—	12,35 19,55 35,70	11,60 18,40 33,60	10,90 17,70 32,35
	Soda ash see Sodium carbonate						
31474 C 8 1907 3	**Soda lime** R. G. with indicator granular *Chaux sodée / Cal sodada* loss on drying (105 °C) ..... 13—18 % CO_2-absorption ..... min. 28 %	PF. PF. PF. *3819*	250 g 500 g 1 kg	8,25 13,25 24,—	7,— 11,25 20,40	6,60 10,60 19,20	6,20 10,20 18,50
31429 A 4.3/1A C 4.3 1428 2	**Sodium** lumps, R. G., Reag. ACS, Reag. Ph. Eur. I *Sodium / Sodio* Na M = 22,99 g/mol assay ..... min. 99 % calcium (Ca) ..... max. 0,05 % iron (Fe) ..... max. 0,001 % potassium (K) ..... max. 0,01 % heavy metals (as Pb) ..... max. 0,0005 % chloride (Cl) ..... max. 0,002 % phosphate (PO_4) ..... max. 0,0005 % sulphate (SO_4) ..... max. 0,002 % total nitrogen (N) ..... max. 0,0005 % R: 14-15-34 S: 5B-8-43A disposal: 28	WG. WG. *2805*	100 g 500 g	13,— 24,75	11,05 21,05	10,40 19,80	9,75 19,05
13401 A 4.3/1A C 4.3 1428 2	**Sodium** lumps *Sodium / Sodio* Na M = 22,99 g/mol assay ..... 99,5 % calcium (Ca) ..... 0,1 % potassium (K) ..... 0,01 % chloride (Cl) ..... 0,002 % R: 14-15-34 S: 5B-8-43A disposal: 28	WG. WG. BL. *2805*	500 g 1 kg 5 kg	19,— 33,75 131,—	16,15 28,70 108,75	15,20 27,— 102,20	14,60 26,— 98,20
38611	**0,100 g Sodium** FIXANAL® water-soluble standard for atom absorption *0,100 g Sodium / 0,100 g Sodio* ampoule	*3819*	1 pack	10,25	8,70	8,20	7,70
38661 A 3/3 C 3.3 1115 2 +25 °C	**0,100 g** *organo*-**Sodium** FIXANAL® petroleum ether-soluble standard for atom absorption *0,100 g organo-Sodium / 0,100 g organo-Sodio* ampoule R: 10	*3819*	1 pack	33,75	28,70	27,—	25,30

refer explanations

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569	**1,00 g Sodium** FIXANAL® watersoluble standard for atom absorption *1,00 g Sodium / 1,00 g Sodio* ampoule	3819	1 pack	10,25	8,70	8,20	7,70
395	**10,00 g Sodium** FIXANAL® as Sodium chloride *10,00 g Sodium / 10,00 g Sodio* ampoule	3819	1 pack	18,75	15,95	15,—	14,05
319	**Sodium acetate** anhydrous R. G. *Sodium acétate / Sodio acetato* CH_3COONa $C_2H_3NaO_2$ $M = 82{,}03$ g/mol assay ..... min. 99% insoluble in water ..... max. 0,005% loss on drying (105 °C) ..... max. 1% pH (5%, 20 °C) ..... 7,5—9,2 calcium (Ca) ..... max. 0,002% iron (Fe) ..... max. 0,0005% potassium (K) ..... max. 0,05% magnesium (Mg) ..... max. 0,0005% heavy metals (as Pb) ..... max. 0,001% chloride (Cl) ..... max. 0,001% phosphate (PO_4) ..... max. 0,0005% sulphate (SO_4) ..... max. 0,002%	PF. PF. PF. FTP. 2914	250 g 500 g 1 kg 50 kg	11,50 16,50 29,75 kg	9,80 14,05 25,30 13,—	9,20 13,20 23,80	8,65 12,70 22,90
023	**Sodium acetate** anhydrous chem. pure *Sodium acétate / Sodio acetato* CH_3COONa $C_2H_3NaO_2$ $M = 82{,}03$ g/mol assay ..... 99% loss on drying (105 °C) ..... 1% pH (5%, 20 °C) ..... 7,5—9,2 iron (Fe) ..... 0,001% heavy metals (as Pb) ..... 0,002% chloride (Cl) ..... 0,002% sulphate (SO_4) 0,01%	PF. PF. S. 2914	1 kg 2,5 kg 25 kg	23,— 49,—	19,55 41,65 price on request	18,40 39,20	17,70 37,75
060	**Sodium acetate** anhydrous pure powder *Sodium acétate / Sodio acetato* CH_3COONa $C_2H_3NaO_2$ $M = 82{,}03$ g/mol assay ..... 98% loss on drying (105 °C) ..... 2% pH (5%, 20 °C) ..... 8,0—9,5 iron (Fe) ..... 0,002% heavy metals (as Pb) ..... 0,002% chloride (Cl) ..... 0,05% sulphate (SO_4) 0,02%	PF. PF. S. 2914	1 kg 2,5 kg 25 kg	20,25 42,75	17,20 35,50 price on request	16,20 33,35	15,60 32,05
318	**Sodium acetate trihydrate** R. G., Reag. ACS, Reag. ISO, Reag Ph. Eur. I *Sodium acétate trihydrate / Sodio acetato trihidrato* $CH_3COONa \cdot 3H_2O$ $C_2H_3NaO_2 \cdot 3H_2O$ $M = 136{,}08$ g/mol assay ..... 99,5—101,5% insoluble in water ..... max. 0,005% pH (5%, 20 °C) ..... 7,5—9,0 aluminium (Al) ..... max. 0,0005% calcium (Ca) ..... max. 0,001% iron (Fe) ..... max. 0,0005% potassium (K) ..... max. 0,005% copper (Cu) ..... max. 0,0005% magnesium (Mg) ..... max. 0,0005% heavy metals (as Pb) ..... max. 0,0005% chloride (Cl) ..... max. 0,0005% phosphate (PO_4) ..... max. 0,0005% sulphate (SO_4) ..... max. 0,002% matters reducing $KMnO_4$ (as HCOOH) ... max. 0,005%	PF. PF. PF. FTP. FTP. 2914	500 g 1 kg 5 kg 50 kg 5x	11,75 20,— 83,50 kg kg	10,— 17,— 69,30 8,10 7,55	9,40 16,— 65,15	9,05 15,40 62,65

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
25062	**Sodium acetate trihydrate** DAB 6 *Sodium acetate trihydrate / Sodio acetato trihidrato* $CH_3COONa \cdot 3H_2O$ $C_2H_3NaO_2 \cdot 3H_2O$ *M* = 136,08 g/mol assay ..... 99,5 % loss on drying (130 °C) ..... 39—41 % pH (5%, 20 °C) ..... 7,5—9,2 arsenic (As) ..... 0,0001 % calcium (Ca) ..... 0,005 % iron (Fe) ..... 0,001 % magnesium (Mg) ..... 0,002 % heavy metals (as Pb) ..... 0,0005 % chloride (Cl) ..... 0,005 % sulphate (SO_4) ..... 0,005 %	PF. PF. S. *2914*	1 kg 5 kg 50 kg	11,25 32,75	9,55 27,20 price on request	9,— 25,55	8,6 24,5
25061	**Sodium acetate trihydrate** for infusion solution, Ph. Nord. Add. 1969 *Sodium acétate trihydraté / Sodio acetato trihidrato* $CH_3COONa \cdot 3H_2O$ $C_2H_3NaO_2 \cdot 3HO$ *M* = 136,08 g/mol	PF. FTP. *2914*	1 kg 50 kg	price on request price on request			
25022	**Sodium acetate trihydrate** chem. pure Ph. Eur. I, B.P. 1973, Ph. Franç. IX, U.S.P. XIX *Sodium acétate trihydrate / Sodio acetato trihidrato* $CH_3COONa \cdot 3H_2O$ $C_2H_3NaO_2 \cdot 3H_2O$ *M* = 136,08 g/mol assay of CH_3COONa in water-free substance ..... 99,88 % loss on drying (130 °C) ..... 39,0—40,5 % free alkali (as NaOH) ..... 0,01 % aluminium (Al) ..... 0,005 % arsenic (As) ..... 0,0001 % calcium (Ca) ..... 0,001 % iron (Fe) ..... 0,0005 % potassium (K) ..... 0,01 % magnesium (Mg) ..... 0,001 % heavy metals (as Pb) ..... 0,0005 % chloride (Cl) ..... 0,005 % sulphate (SO_4) ..... 0,002 % $KMnO_4$ red. matter (as O) ..... 0,002 %	PF. PF. S. *2914*	1 kg 5 kg 50 kg	12,75 37,—	10,85 30,70 price on request	10,20 28,85	9,8 27,7
25025	**Sodium acetate trihydrate** technical cryst. *Sodium acétate trihydrate / Sodio acetato trihidrato* $CH_3COONa \cdot 3H_2O$ $C_2H_3NaO_2 \cdot 3H_2O$ *M* = 136,08 g/mol assay ..... 99,5 % iron (Fe) ..... 0,005 % heavy metals (as Pb) ..... 0,005 % chloride (Cl) ..... 0,01 % sulphate (SO_4) ..... 0,05 %	PF. S. *2914*	5 kg 50 kg	31,25	25,95 price on request	24,40	23,4
64844	**Sodium acetylacetonate** PROSYNTH® *Sodium acétylacétonate / Sodio acetilacetonato* $C_5H_7NaO_2$ *M* = 122,10 g/mol assay (ex Na) ..... 99 % melting range ..... 209—211 °C (disint.)	WG. *2913*	100 g	19,25	16,35	15,40	14,4
	Sodium alginate see Alginic acid sodium salt						
	Sodium alizarinsulphonate see Alizarin S						
13404	**Sodium aluminate** exsiccated technical *Sodium aluminate / Sodio aluminato* aluminium (as Al_2O_3) ..... 54 % sodium (as Na_2O) ..... 41 % iron (as Fe_2O_3) ..... 0,02 %	PF. *2847*	5 kg	39,25	32,60	30,60	29,4
65215	**Sodiumaluminiumbis-(2-methoxyethoxy)-dihydride** 70% in toluene PROSYNTH® *Sodiumaluminiumbis-(2-méthoxyéthoxy)-dihydrure / Sodioaluminiobis-(2-metoxietoxi)-dihidruro* $NaAlH_2(OCH_2CH_2OCH_3)_2$ $C_6H_{16}AlNaO_4$ *M* = 202,16 g/mol 1 L ≈ 1,04 kg	FL. *2847*	100 ml	35,75	30,40	28,60	26,8

refer explanations

ode-Number RID/ADR GGVE/GGVS IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	Sodium aluminium fluoride see Cryolite						
2860 4.3/3 4.3 1425 2	**Sodium amide** 50% suspension in toluene PROSYNTH® *Sodium amure / Sodio amuro* $NaNH_2$ *M* = 39,01 g/mol R: 11-20 S: 16-29-33 disposal: 6	FL. *2858*	200 g	21,—	17,85	16,80	15,75
0409	**Sodium ammonium hydrogen phosphate** R. G. *Sodium-ammonium hydrogénophosphate / Sodio y amonio hidrógeno-fosfato* $Na(NH_4)HPO_4 \cdot 4H_2O$ *M* = 209,07 g/mol assay ..... min. 99% insoluble in water ..... max. 0,01% arsenic (As) ..... max. 0,0001% iron (Fe) ..... max. 0,0005% potassium (K) ..... max. 0,01% heavy metals (as Pb) ..... max. 0,0005% chloride (Cl) ..... max. 0,001% sulphate (SO_4) ..... max. 0,01%	PF. PF. FTP. *2848*	250 g 1 kg 50 kg	10,— 25,25 kg	8,50 21,45 12,50	8,— 20,20	7,50 19,45
4266	**Sodium ammonium hydrogen phosphate** chem. pure cryst. *Sodium-ammonium hydrogénophosphate / Sodio y amonio hidrógenofosfato* $Na(NH_4)HPO_4 \cdot 4H_2O$ *M* = 209,07 g/mol assay ..... 99% iron (Fe) ..... 0,002% heavy metals (as Pb) ..... 0,002% chloride (Cl) ..... 0,005% sulphate (SO_4) 0,02%	PF. PF. S. *2848*	500 g 1 kg 50 kg	12,50 22,50 price on request	10,65 19,15	10,— 18,—	9,65 17,35
'0108	**Sodium *sec.*-amyl-β-bromoallylbarbiturate** *Sodium sec.-amyl-β-bromoallylbarbiturate / Sodio sec.-amil-β-bromalilbarbiturato*	PF. *2925*	1 kg	price on request			
	Sodium antimonate see Sodium hexahydroxoantimonate(V)						
18150 6.1/52A 6.1 2027 2	**0,05 mol Sodium *meta*-arsenite** FIXANAL® 4,946 g As_2O_3 + 2 g NaOH for 1 L 0,1 N solution *0,05 mol Sodium méta-arsenite / 0,05 mol Sodio meta-arsenito* ampoule R: 25-36/38 S: 25-44 disposal: 10	*3819*	1 pack	8,75	7,45	7,—	6,55
13412 6.1/32A 6.1 1687 2	**Sodium azide** *Sodium azoture / Sodio azida* NaN_3 *M* = 65,01 g/mol assay ..... 99% insoluble in water ..... 0,05% loss on drying (on P_2O_5, 20mbar) ..... 0,2% free alkali (as NaOH) ..... 0,2% heavy metals (as Pb) ..... 0,001% R: 28-32 S: 28 disposal: 17	WG. WG. WG. *2857*	100 g 250 g 1 kg	16,25 34,— 115,50	13,80 28,90 98,20	13,— 27,20 92,40	12,20 25,50 88,95
18106	**Sodium benzoate** (BENZOTRON®) powder DAB 7 *Sodium benzoate / Sodio benzoato* C_6H_5COONa $C_7H_5NaO_2$ *M* = 144,11 g/mol assay ..... 99,5% loss on drying (105 °C) ..... 0,5% heavy metals (as Pb) ..... 0,002% chloride (Cl) ..... 0,005% sulphate (SO_4) 0,01%	PF. PF. S. *2914*	1 kg 2,5 kg 25 kg	15,75 32,50 price on request	13,40 27,65	12,60 26,—	12,15 25,05
	Sodium biborate see Sodium tetraborate						
	Sodium bicarbonate see Sodium hydrogen carbonate						
	Sodium bichromate see Sodium dichromate						

PINA® photo dyes and photo chemicals

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	Sodium bifluoride see Sodium hydrogen fluoride						
	Sodium biphosphate see Sodium dihydrogen phosphate						
	Sodium bismuthate see Sodium trioxobismuthate(V)						
	Sodium bisulphate see Sodium hydrogen sulphate						
	Sodium borate see Sodium tetraborate						
	Sodium borate-hydrogen peroxide see Sodium perborate						
	Sodium borodeuteride see Sodium borohydride-D_4						
	Sodium borofluoride see Sodium fluoroborate						
62861 A 4.3/2B C 4.3 1426 1	**Sodium borohydride** PROSYNTH® *Sodium borohydrure / Sodio borohidruro* $NaBH_4$ BH_4Na $M = 37,83$ g/mol assay ..... 95% R: 15 S: 7/8-24/25-43A disposal: 28	WG. *2857*	100 g	54,—	45,90	43,20	40,50
09062 A 4.3/28 C 4.3 1426 1	**Sodium borohydride-d_4** deuteration degree not less than 97 atom % D *Sodium borohydrure-d_4 / Sodio borohidruro-d_4* $NaBD_4$ $M = 41,80$ g/mol R: 15 S: 7/8-24/25-43A disposal: 28	FL. *2851*	1 g	101,50	86,30	81,20	76,15
02151 C 5.1 1494 2	**Sodium bromate** chem. pure *Sodium bromate / Sodio bromato* $NaBrO_3$ $M = 150,89$ g/mol	PF. PF. *2832*	250 g 1 kg	21,75 70,—	18,50 59,50	17,40 56,—	16,30 53,90
02119	**Sodium bromide** chem. pure Ph.Eur. I, B. P.1973, Ph. Franç. IX, N. F. XII, Reag. Ph. Eur. I *Sodium bromure / Sodio bromuro* NaBr $M = 102,89$ g/mol assay ..... 99,5% loss on drying (105 °C) ..... 0,5% free alkali (as NaOH) ..... 0,01% arsenic (As) ..... 0,0001% calcium (Ca) ..... 0,005% iron (Fe) ..... 0,001% magnesium (Mg) ..... 0,0005% heavy metals (as Pb) ..... 0,0005% chloride (Cl) ..... 0,2% sulphate (SO_4) 0,005%	PF. PF. PF. S. *2830*	500 g 1 kg 5 kg 50 kg	11,50 20,50 84,— price on request	9,80 17,45 69,70	9,20 16,40 65,50	8,85 15,80 63,—
39639	**Sodium caproate** for gas chromatography *Sodium caproate / Sodio caproato* $CH_3(CH_2)_4COONa$ $C_6H_{11}NaO_2$ $M = 138,14$ g/mol	WG. *2914*	25 g	34,—	28,90	27,20	25,50
31432	**Sodium carbonate** anhydrous, R. G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I *Sodium carbonate / Sodio carbonato* Na_2CO_3 $M = 105,99$ g/mol assay ..... min. 99,5% insoluble in water ..... max. 0,01% loss on drying (300 °C) ..... max. 0,5% aluminium (Al) ..... max. 0,001% arsenic (As) ..... max. 0,00005% calcium (Ca) ..... max. 0,005% iron (Fe) ..... max. 0,0005% potassium (K) ..... max. 0,005% magnesium (Mg) ..... max. 0,0005% heavy metals (as Pb) ..... max. 0,0005% chloride (Cl) ..... max. 0,001% phosphate (PO_4) ..... max. 0,001% silicate (as SiO_2) ..... max. 0,005% total sulphur (as SO_4) ..... max. 0,003% total nitrogen (N) ..... max. 0,001%	PF. PF. PF. FTP. *2842*	500 g 1 kg 2,5 kg 50 kg	11,75 19,75 42,75 kg	10,— 16,80 35,50 7,80	9,40 15,80 33,35	9,05 15,20 32,05

refer explanations

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418	○ **Sodium carbonate** chem. pure anhydrous B. P. C. 1968 *Sodium carbonate / Sodio carbonato* Na_2CO_3 $M = 105{,}99$ g/mol assay ..... 99,5% loss on drying (130 °C) ..... 0,5% calcium (Ca) ..... 0,005% arsenic (As) ..... 0,0001% iron (Fe) ..... 0,001% potassium (K) ..... 0,02% magnesium (Mg) ..... 0,004% heavy metals (as Pb) ..... 0,002% chloride (Cl) ..... 0,002% phosphate (PO_4) ..... 0,001% sulphate (SO_4) 0,005%	PF. PF. S. *2842*	1 kg 2,5 kg 50 kg	12,50 26,25 price on request	10,65 21,80	10,— 20,50	9,65 19,70
419	**Sodium carbonate** purified anhydrous *Sodium carbonate / Sodio carbonato* Na_2CO_3 $M = 105{,}99$ g/mol assay ..... 99% loss on drying (130 °C) ..... 1% iron (Fe) ..... 0,002% heavy metals (as Pb) ..... 0,001% chloride (Cl) 0,1%	PF. S. *2842*	2,5 kg 50 kg	15,50 price on request	12,85	12,10	11,65
568	○ **Sodium carbonate-1-hydrate** chem. pure Ph. Eur. I, Ph. Franç. IX *Sodium carbonate-1-hydrate / Sodio carbonato-1-hidrato* $Na_2CO_3 \cdot H_2O$ $M = 124{,}00$ g/mol assay of Na_2CO_3 (ex dried substance) ..... 99,8% alkali hydroxides and hydroxide carbonates ..... passes test loss on drying (130 °C) ..... 14—17% arsenic (As) ..... 0,0001% iron (Fe) ..... 0,001% potassium (K) ..... 0,01% heavy metals (as Pb) ..... 0,001% chloride (Cl) ..... 0,005% sulphate (SO_4) 0,01%	PF. S. *2842*	1 kg 50 kg	11,— price on request	9,35	8,80	8,45
431	**Sodium carbonate-10-hydrate** R. G., Reag. ISO, Reag. Ph. Eur. I *Sodium carbonate-10-hydrate / Sodio carbonato-10-hidrato* $Na_2CO_3 \cdot 10H_2O$ $M = 286{,}14$ g/mol assay ..... min. 99% insoluble in water ..... max. 0,005% aluminium (Al) ..... max. 0,0005% arsenic (As) ..... max. 0,00001% calcium (Ca) ..... max. 0,002% iron (Fe) ..... max. 0,0002% potassium (K) ..... max. 0,005% magnesium (Mg) ..... max. 0,0002% heavy metals (as Pb) ..... max. 0,0005% chloride (Cl) ..... max. 0,0005% phosphate (PO_4) ..... max. 0,001% silicate (as SiO_2) ..... max. 0,001% total sulphur (as SO_4) ..... max. 0,002% total nitrogen (N) ..... max. 0,0005%	PF. PF. FTP. *2842*	500 g 1 kg 25 kg	8,25 11,25 kg	7,— 9,55 4,40	6,60 9,—	6,35 8,65
414	○ **Sodium carbonate-10-hydrate** chem. pure Ph. Eur. I, B. P, C. 1973, Ph. Franç. IX *Sodium carbonate-10-hydrate / Sodio carbonato-10-hidrato* $Na_2CO_3 \cdot 10H_2O$ $M = 286{,}14$ g/mol assay ..... 99,5% alkali hydroxides and hydroxide carbonates ..... passes test arsenic (As) ..... 0,0001% iron (Fe) ..... 0,0005% heavy metals (as Pb) ..... 0,001% chloride (Cl) ..... 0,003% sulphate (SO_4) 0,005%	PF. PF. S. *2842*	1 kg 2,5 kg 50 kg	10,50 18,50 price on request	8,95 15,35	8,40 14,45	8,10 13,90

POLYPEHA® universal and special indicator papers in strips

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)	Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	3819					
38170 **0,05 mol Sodium carbonate** FIXANAL® 5,299 Na_2CO_3 for 1 Liter 0,1 N solution *0,05 mol Sodium carbonate / 0,05 mol Sodio carbonato* ampoule						
		1 pack	8,75	7,45	7,—	6,55
Sodium carbonate—Potassium carbonate see Potassium carbonate—Sodium carbonate						
	WG.	250 g	14,—	11,90	11,20	10,50
	WG.	1 kg	35,75	30,40	28,60	27,55
31492 **Sodium chlorate** R. G. *Sodium chlorate / Sodio clorato*	*2832*					
A 5.1/4A C 5.1 1495 2 $NaClO_3$ $M = 106,44$ g/mol assay ..... min. 99% calcium (Ca) ..... max. 0,002% iron (Fe) ..... max. 0,0005% potassium (K) ..... max. 0,005% magnesium (Mg) ..... max. 0,001% heavy metals (as Pb) ..... max. 0,001% chloride (Cl) ..... max. 0,001% sulphate (SO_4) ..... max. 0,003% total nitrogen (N) ..... max. 0,001% R: 9-20/22 S: 2-13-16-27 disposal: 16						
13420 **Sodium chlorate** chem. pure *Sodium chlorate / Sodio clorato*	PF.	500 g	16,75	14,25	13,40	12,90
	PF.	1 kg	30,25	25,70	24,20	23,30
	PF.	5 kg	113,50	94,20	88,55	85,15
	BLT.	100 kg	price on request			
A 5.1/4A C 5.1 1495 2 $NaClO_3$ $M = 106,44$ g/mol assay ..... 99,5% calcium (Ca) ..... 0,005% iron (Fe) ..... 0,001% potassium (K) ..... 0,005% heavy metals (as Pb) ..... 0,002% chloride (Cl) ..... 0,05% sulphate (SO_4) ..... 0,005% total nitrogen(N) ..... 0,001% R: 9-20/22 S: 2-13-16-27 disposal: 16	*2832*					
13421 **Sodium chlorate** powder *Sodium chlorate / Sodio clorato*	PF.	1 kg	23,75	20,20	19,—	18,30
	PF.	5 kg	89,—	73,85	69,40	66,75
	BLT.	50 kg	price on request			
A 5.1/4A C 5.1 1495 2 $NaClO_3$ $M = 106,44$ g/mol assay ..... 99% R: 9-20/22 S: 2-13-16-27 disposal: 16	*2832*					
31434 **Sodium chloride** R. G., Reg. Ph. Eur. I *Sodium chlorure / Sodio cloruro*	PF.	500 g	11,—	9,35	8,80	8,45
	PF.	1 kg	12,75	10,85	10,20	9,80
	PF.	5 kg	47,—	39,—	36,65	35,25
	FTP.	50 kg	kg	3,85		
	FTP.	5x	kg	3,60		
NaCl , $M = 58,44$ g/mol assay ..... min. 99,5% insoluble in water ..... max. 0,005% loss on drying (105 °C) ..... max. 0,2% pH (5%, 20 °C) ..... 5-8 arsenic (As) ..... max. 0,00005% barium (Ba) ..... max. 0,001% calcium (Ca) ..... max. 0,002% iron (Fe) ..... max. 0,0002% potassium (K) ..... max. 0,01% magnesium (Mg) ..... max. 0,001% heavy metals (as Pb) ..... max. 0,0005% bromide (Br) ..... max. 0,005% iodide (I) ..... max. 0,001% phosphate (PO_4) ..... max. 0,0005% sulphate (SO_4) ..... max. 0,001% total nitrogen (N) ..... max. 0,001%	*2501*					

refer explanations

de-Number RID/ADR GGVE/GGVS MDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
3541	**Sodium chloride** chem. pure Ph. Eur. I, B. P.1973, Ph. Franç. IX, U. S. P. XIX *Sodium chlorure / Sodio cloruro* NaCl $M = 58{,}44$ g/mol assay ..... 99,8% loss on drying (105 °C) ..... 0,3% free acid (as HCl) ..... 0,001% free alkali (as NaOH) ..... 0,002% ammonium (NH_4) ..... 0,001% arsenic (As) ..... 0,00005% barium (Ba) ..... passes test calcium ..... 0,005% iron (Fe) ..... 0,0001% potassium (K) ..... 0,01% magnesium (Mg) ..... 0,0005% heavy metals (as Pb) ..... 0,0003% bromide (Br) ..... 0,005% phosphate (PO_4) ..... 0,0025% sulphate (SO_4) 0,005%	S. *2501*	50 kg	price on request			
3566	**Sodium chloride** chem. pure cryst. free flowing *Sodium chlorure / Sodio cloruro* NaCl $M = 58{,}44$ g/mol assay ..... 99,8% loss on drying (105 °C) ..... 0,3% ammonium (NH_4) ..... 0,001% arsenic (As) ..... 0,00005% calcium (Ca) ..... 0,005% iron (Fe) ..... 0,002% magnesium (Mg) ..... 0,001% heavy metals (as Pb) ..... 0,0003% sulphate (SO_4) ..... 0,005% potassium cyanoferrate (II) [$K_4Fe(CN)_6$] 0,001%	S. *2501*	50 kg	price on request			
3423	○ **Sodium chloride** chem. pure Ph. Eur. I, B. P. 1973, Ph. Franç. IX, U. S. P. XIX *Sodium chlorure / Sodio cloruro* NaCl $M = 58{,}44$ g/mol assay ..... 99,8% free acid (as HCl) ..... 0,001% free alkali (as NaOH) ..... 0,002% loss on drying (105 °C) ..... 0,3% ammonium (NH_4) ..... 0,001% arsenic (As) ..... 0,00005% barium (Ba) ..... passes test calcium (Ca) ..... 0,005% iron (Fe) ..... 0,0001% potassium (K) ..... 0,01% bromide (Br) ..... 0,005% magnesium (Mg) ..... 0,0005% heavy metals (as Pb) ..... 0,0003% phosphate (PO_4) ..... 0,0025% sulphate (SO_4) 0,005%	PF. PF. S. *2501*	1 kg 5 kg 50 kg	8,75 26,25 kg	7,45 21,80 1,40	7,— 20,50	6,75 19,70
3576	**Sodium chloride** chem. pure Ph. Eur. I, B. P. 1973, Ph. Franç. IX, U. S. P. XIX *Sodium chlorure / Sodio cloruro* NaCl $M = 58{,}44$ g/mol assay ..... 99,8% loss on drying (105 °C) ..... 0,3% free acid (as HCl) ..... 0,001% free alkali (as NaOH) ..... 0,002% ammonium (NH_4) ..... 0,001% barium (Ba) ..... passes test calcium (Ca) ..... 0,005% iron (Fe) ..... 0,0001% potassium (K) ..... 0,01% magnesium (Mg) ..... 0,0005% heavy metals (as Pb) ..... 0,0003% bromide (Br) ..... 0,005% phosphate (PO_4) ..... 0,0025% sulphate (SO_4) 0,005%	S. *2501*	50 kg	price on request			

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13565	**Sodium chloride** chem. pure cryst. free flowing *Sodium chlorure / Sodio cloruro* NaCl M = 58,44 g/mol assay ..... 99,8% loss on drying (105 °C) ..... 0,3% ammonium (NH_4) ..... 0,001% arsenic (As) ..... 0,00005% calcium (Ca) ..... 0,005% iron (Fe) ..... 0,002% magnesium (Mg) ..... 0,001% heavy metals (as Pb) ..... 0,0003% sulphate (SO_4) ..... 0,005% potassium cyanoferrate(II) [$K_4Fe(CN)_6$] 0,001%	PF. PF. S. *2501*	1 kg 5 kg 50 kg	8,75 26,25 kg 1,40	7,45 21,80	7,— 20,50	6,7 19,7
38180	**0,1 mol Sodium chloride** FIXANAL® 5,844 g NaCl for 1 L 0,1 N solution *0,1 mol Sodium chlorure / 0,1 mol Sodio cloruro* ampoule	*3819*	1 pack	8,75	7,45	7,—	6,5
12263	**Sodium chromate** chem. pure *Sodium chromate / Sodio cromato* Na_2CrO_4 M = 161,97 g/mol assay ..... 99% pH (5%, 20 °C) ..... 8,5—10,0 calcium (Ca) ..... 0,005% iron (Fe) ..... 0,001% copper (Cu) ..... 0,001% chloride (Cl) ..... 0,005% sulphate (SO_4) ..... 0,01% R: 36/37/38 S: 22-28 disposal: 16	PF. PF. S. *2847*	500 g 1 kg 50 kg	33,75 62,— price on request	28,70 52,70	27,— 49,60	26,— 47,7
12265	**Sodium chromate** technical *Sodium chromate / Sodio cromato* Na_2CrO_4 M = 161,97 g/mol assay ..... 98% chloride (Cl) ..... 0,3% sulphate (SO_4) ..... 1% R: 36/37/38 S: 22-28 disposal: 16	PF. BLT. *2847*	5 kg 170 kg	81,— price on request	67,25	63,20	60,7
12264	**Sodium chromate-4-hydrate** chem. pure cryst. *Sodium chromate-4-hydrate / Sodio cromato-4-hidrato* $Na_2CrO_4 \cdot 4H_2O$ M = 234,03 g/mol assay ..... 99—102% pH (5%, 20 °C) ..... 8,5—10,0 calcium (Ca) ..... 0,005% iron (Fe) ..... 0,001% copper (Cu) ..... 0,001% chloride (Cl) ..... 0,005% sulphate (SO_4) ..... 0,01% R: 36/37/38 S: 22-28 disposal: 16	PF. PF. S. *2847*	500 g 1 kg 50 kg	16,— 29,— price on request	13,60 24,65	12,80 23,20	12,3 22,3
	Sodium cinchophen see Sodium 2-phenylquinoline-4-carboxlate						
32320	*tri*-**Sodium citrate dihydrate** R. G., Reag. ISO, Reag. Ph. Eur. I *tri-Sodium citrate dihydrate / tri-Sodio citrato dihidrato* $C_6H_5Na_3O_7 \cdot 2H_2O$ M = 294,10 g/mol assay ..... min. 99% insoluble in water ..... max. 0,005% water (according to Karl Fischer) ..... 11—13% pH (5%, 20 °C) ..... 7,5—9,0 iron (Fe) ..... max. 0,0005% heavy metals (as Pb) ..... max. 0,0005% chloride (Cl) ..... max. 0,001% phosphate (PO_4) ..... max. 0,002% sulphate (SO_4) ..... max. 0,005% total nitrogen (N) ..... max. 0,001%	PF. PF. PF. FTP. *2916*	250 g 500 g 1 kg 50 kg	13,— 21,75 36,25 kg 16,25	11,05 18,50 30,80	10,40 17,40 29,—	9,7 16,7 27,9

refer explanations

de-Number ID/ADR GVE/GGVS MDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
116	***tri*-Sodium citrate dihydrate** pure, Ph. I, B. P. 1973, Ph. Franç. IX, U. S. P. XIX *tri-Sodium citrate dihydrate / tri-Sodio citrato dihidrato* $C_6H_5Na_3O_7 \cdot 2H_2O$ *M* = 294,10 g/mol assay ..... 99,5% water (according to Karl Fischer) ..... 11–13% free acid (as $C_6H_8O_7$) ..... 0,06% free alkali (as NaOH) ..... 0,04% arsenic (As) ..... 0,0001% heavy metals (as Pb) ..... 0,0005% chloride (Cl) ..... 0,003% sulphate (SO_4) 0,005%	PF. S. *2916*	1 kg 50 kg	19,75 price on request	16,80	15,80	15,20
237	***tri*-Sodium-DL-*iso*-citrate dihydrate** BIOSYNTH® *tri-Sodium-DL-iso-citrate dihydrate / tri-Sodio-DL-iso-citrato dihidrato* $NaOOCCH(OH)CH(COONa)CH_2COONa \cdot 2H_2O$ $C_6H_5Na_3O_7 \cdot 2H_2O$ *M* = 294,10 g/mol assay (acidimetric) 99%	FL. *2916*	1 g	35,—	29,75	28,—	26,25
114 ○	***tri*-Sodium citrate-5,5-hydrate** pure cryst. Erg. B. 6 *tri-Sodium citrate-5-5-hydrate / tri-Sodio citrato-5,5-hidrato* $C_6H_5Na_3O_7 \cdot 5,5H_2O$ *M* = 357,15 g/mol assay ..... 99,5% iron (Fe) ..... 0,001% heavy metals (as Pb) ..... 0,001% chloride (Cl) ..... 0,002% sulphate (SO_4) ..... 0,005% arsenic (As) 0,0002%	PF. PF. S. S. *2916*	1 kg 5 kg 50 kg 5x	17,25 70,— kg kg	14,65 58,10 6,80 6,30	13,80 54,60	13,30 52,50
	Sodium citrate monobasic (acid) see Sodium dihydrogen citrate						
	Sodium cobalt(III) nitrite see Sodium hexanitrocobaltate(III)						
335 1/31A 1 1689 1	**Sodium cyanide** 98% NaCN, lumps *Sodium cyanure / Sodio cianuro* NaCN *M* = 49,01 g/mol R: 26/27/28-32 S: 1/2-7-28-29-45 disposal: 22	PF. PF. BLT. *2843*	1 kg 5 kg 50 kg	16,25 60,50 kg	13,80 50,20 3,70	13,— 47,20	12,50 45,40
	Sodium cyanoferrate(II) see Sodium hexacyanoferrate(II)						
365	**Sodium deoxycholate** chem. pure *Sodium désoxycholate / Sodio desoxicolato* $C_{24}H_{39}NaO_4$ *M* = 414,56 g/mol assay (perchloric acid titration, for dried substance) ..... 98,5% spec. rotation (for water-free substance) ($[\alpha]_D^{20}$; c = 10 in H_2O) ..... +43° loss on drying (2 h 100 °C) ..... 2,5% free alkali (as NaOH to phenolphthalein) ..... 0,04% chloride (Cl) ..... 0,005% sulphate (SO_4) 0,005%	WG. WG. FTP. *2916*	25 g 250 g 25 kg	21,75 166,— price on request	18,50 141,10	17,40 132,80	16,30 124,50
'95 I 1464 2	**Sodium dichromate-2-hydrate** R. G. *Sodium dichromate-2-hydrate / Sodio dicromato-2-hidrato* $Na_2Cr_2O_7 \cdot 2H_2O$ *M* = 298,00 g/mol assay ..... min. 99,5% insoluble in water ..... max. 0,005% aluminium (Al) ..... max. 0,005% calcium (Ca) ..... max. 0,002% potassium (K) ..... max. 0,03% chloride (Cl) ..... max. 0,002% sulphate (SO_4) ..... max. 0,005% R: 36/37/38 S: 22-28 disposal: 16	PF. PF. *2847*	250 g 1 kg	20,25 59,50	17,20 50,60	16,20 47,60	15,20 45,80

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12266 C 5.1 1464 2	**Sodium dichromate-2-hydrate** cryst. *Sodium dichromate-2-hydrate / Sodio dicromato-2-hidrato* $Na_2Cr_2O_7 \cdot 2H_2O$ $M = 298{,}00$ g/mol assay ..... 99,5% chloride (Cl) ..... 0,05% sulphate (SO_4) ..... 0,4% R: 36/37/38 S: 22-28 disposal: 16	PF. PF. S. *2847*	1 kg 5 kg 50 kg	15,— 64,— price on request	12,75 53,10	12,— 49,90	11,5 48,—
33456	**Sodium diethylbarbiturate** R. G., buffer substance *Sodium diéthylbarbiturate / Sodio dietilbarbiturato* $(C_6H_5)_2CCON=C(ONa)NHCO$ $C_8H_{11}N_2NaO_3$ $M = 206{,}18$ g/mol assay ..... min. 99% loss on drying (105 °C) ..... max. 0,5% free acid (as barbital) ..... max. 0,1% heavy metals (as Pb) ..... max. 0,001% chloride (Cl) ..... max. 0,005% sulphate (SO_4) ..... max. 0,003% foreign organic substances ..... max. 0,2%	PF. PF. *2925*	100 g 500 g	23,— 86,—	19,55 73,10	18,40 68,80	17,2 66,2
31465	**Sodium diethyldithiocarbamate trihydrate** R. G. *Sodium diéthyldithiocarbamate trihydraté / Sodio dietilditiocarbamato trihidrato* $(C_2H_5)_2NCSSNa \cdot 3H_2O$ $C_5H_{10}NNaS_2 \cdot 3H_2O$ $M = 225{,}31$ g/mol assay ..... min. 99% water (according to Karl Fischer) ..... max. 24% suitability for determination of copper ..... passes test	WG. WG. *2931*	25 g 100 g	9,50 16,75	8,10 14,25	7,60 13,40	7,1 12,5
25112	**Sodium dihydrogen citrate** pure *Sodium dihydrogénocitrate / Sodio dihidrógeno-citrato* $C_6H_7NaO_7$ $M = 214{,}11$ g/mol assay ..... 99% iron (Fe) ..... 0,001% heavy metals (as Pb) ..... 0,001% chloride (Cl) ..... 0,001% sulphate (SO_4) 0,005%	PF. PF. S. *2916*	1 kg 2,5 kg 50 kg	26,75 57,— price on request	22,75 47,30	21,40 44,45	20,1 42,—
04270	**Sodium dihydrogen phosphate** chem. pure *Sodium dihydrogénophosphate / Sodio dihidrógenofosfato* NaH_2PO_4 $M = 119{,}98$ g/mol assay ..... 99% loss on drying (60 °C, 1 h, after it 105 °C, 4 h) ..... 1% arsenic (As) ..... 0,0002% iron (Fe) ..... 0,002% heavy metals (as Pb) ..... 0,002% chloride (Cl) ..... 0,005% sulphate (SO_4) 0,05%	PF. PF. S. *2840*	1 kg 5 kg 50 kg	16,— 49,75 price on request	13,60 41,30	12,80 38,80	12,— 37,—
04269	**Sodium dihydrogen phosphate-2-hydrate** chem. pure cryst. DAB 8, B. P. 1973 *Sodium dihydrogénophosphate-2-hydrate / Sodio dihidrógenofosfato-2-hidrato* $NaH_2PO_4 \cdot 2H_2O$ $M = 156{,}01$ g/mol assay ..... 98,5% loss on drying (130 °C) ..... 23% arsenic (As) ..... 0,0001% iron (Fe) ..... 0,001% heavy metals (as Pb) ..... 0,0005% chloride (Cl) ..... 0,005% sulphate (SO_4) 0,05%	PF. PF. S. *2840*	1 kg 5 kg 50 kg	14,75 46,— price on request	12,55 38,20	11,80 35,90	11,— 34,—

Sodium dihydroxy benzene-3,5-disulphonic acid see Tiron

Sodium diphenylaminosulphonic acid
see Diphenylaminosulphonic acid sodium salt

refer explanations

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286	***tetra*-Sodium diphosphate** pure anhydrous *tétra-Sodium diphosphate / tetra-Sodio difosfato* $Na_4P_2O_7$ $M = 265{,}90$ g/mol assay of $Na_4P_2O_7$ (titrimetric) ..... 99% loss on drying (105 °C, 4 h) ..... 0,2% iron (Fe) ..... 0,002% heavy metals (as Pb) ..... 0,002% chloride (Cl) ..... 0,03% sulphate (SO_4) 0,03%	PF. S. 2840	1 kg 50 kg	14,— price on request	11,90	11,20	10,80
0411	***tetra*-Sodium diphosphate-10-hydrate** R. G. *tétra-Sodium diphosphate-10-hydrate / tetra-Sodio difosfato-10-hidrato* $Na_4P_2O_7 \cdot 10H_2O$ $M = 446{,}05$ g/mol assay ..... min. 99% insoluble in water ..... max. 0,01% arsenic (As) ..... max. 0,0001% iron (Fe) ..... max. 0,0005% potassium (K) ..... max. 0,01% heavy metals (as Pb) ..... max. 0,0005% chloride (Cl) ..... max. 0,002% orthophosphate (PO_4) ..... max. 0,1% sulphate (SO_4) ..... max. 0,01% total nitrogen (N) ..... max. 0,0002%	PF. PF. PF. FTP. 2840	500 g 1 kg 2,5 kg 50 kg	13,75 25,— 52,50 kg	11,70 21,25 43,60 10,55	11,— 20,— 40,95	10,60 19,25 39,40
41284	***tetra*-Sodium diphosphate-10-hydrate** chem. pure cryst. Erg. B. 6 *tétra-Sodium diphosphate-10-hydrate / tetra-Sodio difosfato-10-hidrato* $Na_4P_2O_7 \cdot 10H_2O$ $M = 446{,}05$ g/mol assay ..... 99% arsenic (As) ..... 0,0001% heavy metals (as Pb) ..... 0,0005% chloride (Cl) ..... 0,002% sulphate (SO_4) 0,01%	PF. PF. S. 2840	1 kg 5 kg 50 kg	14,75 54,50 price on request	12,55 45,25	11,80 42,50	11,35 40,90
41448	**Sodium disulphite** R. G. dry, Reag. Ph. Eur. I *Sodium disulfite / Sodio disulfito* $Na_2S_2O_5$ $M = 190{,}11$ g/mol assay ..... min. 98% insoluble in water ..... max. 0,005% arsenic (As) ..... max. 0,00005% iron (Fe) ..... max. 0,0005% heavy metals (as Pb) ..... max. 0,002% chloride (Cl) ..... max. 0,005% thiosulphate (S_2O_3) ..... max. 0,01%	PF. PF. PF. FTP. 2837	500 g 1 kg 2,5 kg 50 kg	10,50 16,50 34,75 kg	8,95 14,05 28,85 5,65	8,40 13,20 27,10	8,10 12,70 26,05
42459	**Sodium disulphite** chem. pure dry, DAC, B. P. 1973, N. F. XIV *Sodium disulfite / Sodio disulfito* $Na_2S_2O_5$ $M = 190{,}11$ g/mol assay ..... 98% insoluble in water ..... 0,005% arsenic (As) ..... 0,0001% iron (Fe) ..... 0,002% heavy metals (as Pb) ..... 0,002% chloride (Cl) ..... 0,003% thiosulphate (S_2O_3) 0,02%	PF. PF. S. 2837	1 kg 5 kg 50 kg	11,25 42,— price on request	9,55 34,85	9,— 32,75	8,65 31,50
42460	**Sodium disulphite** technical dry *Sodium disulfite / Sodio disulfito* $Na_2S_2O_5$ $M = 190{,}11$ g/mol assay ..... 97% iron (Fe) ..... 0,005% heavy metals (as Pb) ..... 0,005% chloride (Cl) 0,01%	PF. PF. S. 2837	1 kg 5 kg 50 kg	10,25 37,75 price on request	8,70 31,35	8,20 29,45	7,90 28,30

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31487 A 4.2/6C C 4.2 1384 2	**Sodium dithionite** R. G. (so-called sodium hydrosulphite) *Sodium dithionite / Sodio ditionito* $Na_2S_2O_4$ $M = 174{,}11$ g/mol assay ..... min. 87% insoluble in water ..... max. 0,02% iron (Fe) ..... max. 0,002% chloride (Cl) ..... max. 0,02% R: 7-22-31 S: 7/8-26-28-43 disposal: 8	BL. *2836*	1 kg	28,—	23,80	22,40	21,55
13551 A 4.2/6C C 4.2 1384 2	**Sodium dithionite** (so-called sodium hydrosulphite) purified *Sodium dithionite / Sodio ditionito* $Na_2S_2O_4$ $M = 174{,}11$ g/mol assay ..... 88% R: 7-22-31 S: 7/8-26-28-43 disposal: 8	BL. BL. BLT. *2836*	500 g 1 kg 50 kg	12,75 23,— price on request	10,85 19,55	10,20 18,40	9,80 17,70
13429 A 4.2/6C C 4.2 1384 2	**Sodium dithionite** (so-called sodium hydrosulphite) technical *Sodium dithionite / Sodio ditionito* $Na_2S_2O_4$ $M = 174{,}11$ g/mol assay ..... 86% R: 7-22-31 S: 7/8-26-28-43 disposal: 8	BL. BL. BL. BLT. *2836*	500 g 1 kg 5 kg 50 kg	12,— 21,75 81,— price on request	10,20 18,50 67,25	9,60 17,40 63,20	9,25 16,75 60,75
62862	**Sodium dodecyl sulphate** PROSYNTH® *Sodium dodécylsulfate / Sodio dodecilsulfato* $C_{12}H_{25}NaO_4S$ $M = 288{,}38$ g/mol assay (in dried substance) ..... 85% water 7%	PF. *2921*	1 kg	34,50	28,65	26,90	25,9
	Sodium ethylbarbiturate see Sodium monoethylbarbiturate						
	Sodium ferrocyanide see Sodium hexacyanoferrate(II)						
30105 C 6.1 1690 3	**Sodium fluoride** R. G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I *Sodium fluorure / Sodio fluoruro* NaF $M = 41{,}99$ g/mol assay ..... min. 99% insoluble in water ..... max. 0,02% loss on drying (150 °C) ..... max. 0,3% free acid (as HF) ..... max. 0,1% free alkali (as Na_2CO_3) ..... max. 0,1% iron (Fe) ..... max. 0,001% heavy metals (as Pb) ..... max. 0,001% chloride (Cl) ..... max. 0,001% sodium fluorosilicate (Na_2SiF_6) ..... max. 0,1% sulphate (SO_4) ..... max. 0,01% sulphite (SO_3) ..... max. 0,005% R: 23/24/25 S: 1/2-26-44 disposal: 27	PF. PF. PF. FTP. *2829*	250 g 500 g 1 kg 50 kg	17,— 26,75 49,50 kg	14,45 22,75 42,10 26,50	13,60 21,40 39,60	12,7 20,6 38,1
01184 C 6.1 1690 3	**Sodium fluoride** chem. pure for optical use *Sodium fluorure / Sodio fluoruro* NaF $M = 41{,}99$ g/mol R: 23/24/25 S: 1/2-26-44 disposal: 27	PF. FTP. *2829*	250 g 25 kg	119,— price on request	101,15	95,20	89,2

refer explanations

de-Number IID/ADR GGVE/GGVS MDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
148 1 1690 3	**Sodium fluoride** chem. pure, DAC, B. P. 1973, U. S. P. XIX *Sodium fluorure / Sodio fluoruro* NaF $M = 41{,}99$ g/mol assay ..... 99% loss on drying (130 °C) ..... 0,2% free acid (as HF) ..... 0,1% free alkali (as NaOH) ..... 0,1% iron (Fe) ..... 0,003% heavy metals (as Pb) ..... 0,002% chloride (Cl) ..... 0,002% sodium fluorosilicate (Na_2SiF_6) ..... 0,1% sulphate (SO_4) ..... 0,02% R: 23/24/25 S: 1/2-26-44 disposal: 27	PF. PF. S. *2829*	500 g 1 kg 50 kg	14,25 25,25 price on request	12,10 21,45	11,40 20,20	10,95 19,45
249 .1 1690 3	**Sodium fluoride** pure powder, B. P. 1973, U. S. P. XIX *Sodium fluorure / Sodio fluoruro* NaF $M = 41{,}99$ g/mol assay ..... 99% loss on drying (130 °C) ..... 0,2% free acid (as HF) ..... 0,1% free alkali (as NaOH) ..... 0,1% iron (Fe) ..... 0,005% heavy metals (as Pb) ..... 0,001% chloride (Cl) ..... 0,005% fluorosilicate (Na_2SiF_6) ..... 0,1% sulphate (SO_4) ..... 0,1% R: 23/24/25 S: 1/2-26-44 disposal: 27	PF. S. *2829*	2,5 kg 50 kg	price on request price on request			
151 .1 1690 3	**Sodium fluoride** technical *Sodium fluorure / Sodio fluoruro* NaF $M = 41{,}99$ g/mol assay ..... 98,5% sodium fluorosilicate (Na_2SiF_6) ..... 0,5% iron (Fe) ..... 0,02% heavy metals (as Pb) ..... 0,005% chloride (Cl) ..... 0,01% sulphate (SO_4) ..... 0,5% R: 23/24/25 S: 1/2-26-44 disposal: 27	PF. S. *2829*	5 kg 50 kg	54,50 price on request	45,25	42,50	40,90
508 .1 2811 3	**Sodium fluoroborate** pure *Sodium fluoroborate / Sodio fluoroborato* $NaBF_4$ $M = 109{,}79$ g/mol assay ..... 97% iron (Fe) ..... 0,003% heavy metals (as Pb) ..... 0,003% chloride (Cl) ..... 0,005% sulphate (SO_4) 0,03%	PF. PF. *2829*	500 g 1 kg	26,25 48,25	22,30 41,—	21,— 38,60	20,20 37,15
509 .1 *2674 3	**Sodium fluoroborate** technical *Sodium fluoroborate / Sodio fluoroborato* $NaBF_4$ $M = 109{,}79$ g/mol assay ..... 97% iron (Fe) ..... 0,005% heavy metals (as Pb) ..... 0,005% chloride (Cl) ..... 0,01% sulphate (SO_4) 0,05%	PF. S. *2829*	5 kg 50 kg	95,50 price on request	79,25	74,50	71,65
412 .1 2811 3	*di*-**Sodium fluorophosphate** *di-Sodium fluorophosphate / di-Sodio fluorofosfato* Na_2PO_3F $M = 143{,}95$ g/mol	PF. *2829*	100 g	32,—	27,20	25,60	24,—

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01417 C 6.1 2674 3	**Sodium fluorosilicate** chem. pure *Sodium fluorosilicate / Sodio fluorosilicato* Na_2SiF_6 M = 188,06 g/mol assay ..... 99,5% iron (Fe) ..... 0,002% heavy metals (as Pb) ..... 0,002% chloride (Cl) ..... 0,002% sulphate (SO_4) ..... 0,01% R: 23/24/25 S: 1/2-26-44 disposal: 27	PF. PF. S. *2829*	1 kg 5 kg 50 kg	20,75 78,— price on request	17,65 64,75	16,60 60,85	16,— 58,50
01418 C 6.1 2674 3	**Sodium fluorosilicate** technical *Sodium fluorosilicate / Sodio fluorosilicato* Na_2SiF_6 M = 188,06 g/mol 99% assay ..... 0,005% iron (Fe) ..... 0,005% heavy metals (as Pb) ..... 0,05% chloride (Cl) ..... 0,02% sulphate (SO_4) ..... R: 23/24/25 S: 1/2-26-44 disposal: 27	PF. S. *2829*	1 kg 50 kg	10,75 price on request	9,15	8,60	8,30
32321	**Sodium formate** R. G. *Sodium formiate / Sodio formiato* HCOONa $CHNaO_2$ M = 68,01 g/mol assay ..... min. 99% insoluble in water ..... max. 0,005% ammonium (NH_4) ..... max. 0,002% calcium (Ca) ..... max. 0,002% iron (Fe) ..... max. 0,0005% heavy metals (as Pb) ..... max. 0,001% chloride (Cl) ..... max. 0,001% sulphate (SO_4) ..... max. 0,005%	PF. PF. *2914*	250 g 1 kg	13,50 34,—	11,50 28,90	10,80 27,20	10,15 26,20
25210	**Sodium formate** pure *Sodium formiate / Sodio formiato* Na(HCOO) $CHNaO_2$ M = 68,01 g/mol assay ..... 99,5% iron (Fe) ..... 0,001% heavy metals (as Pb) ..... 0,001% chloride (Cl) ..... 0,005% sulphate (SO_4) 0,005%	PF. PF. S. *2914*	1 kg 5 kg 50 kg	14,50 35,50 price on request	12,35 29,45	11,60 27,70	11,1 26,6
39026	**Sodium-L-glutamate monohydrate** BIOSYNTH® *Sodium-L-glutamate monohydraté / Sodio-L-glutamato monohidrato* $NaOOCCH_2CH_2CH(NH_2)COOH \cdot H_2O$ $C_5H_8NNaO_4 \cdot H_2O$ M = 187,13 g/mol	PF. *2923*	500 g	22,75	19,35	18,20	17,5
14846	**Sodium hexachloroiridate(IV)-6-hydrate** *Sodium hexachloroiridate(IV)-6-hydrate / Sodio hexacloroiridato(IV)-6-hidrato* $Na_2IrCl_6 \cdot 6H_2O$ M = 559,01 g/mol	FL. *2847*	1 g	99,50	84,60	79,60	74,6
13425	**Sodium hexacyanoferrate(II)-10-hydrate** chem. pure *Sodium hexacyanoferrate(II)-10-hydrate / Sodio hexacianoferrato(II)-10-hidrato* $Na_4[Fe(CN)_6] \cdot 10H_2O$ M = 484,06 g/mol assay ..... 98—100% chloride (Cl) ..... 0,01% sulphate (SO_4) 0,005%	PF. *2843*	500 g	22,50	19,15	18,—	17,—
13426	**Sodium hexacyanoferrate(II)-10-hydrate** technical cryst. *Sodium hexacyanoferrate(II)-10-hydrate / Sodio hexacianoferrato(II)-10-hidrato* $Na_4[Fe(CN)_6] \cdot 10H_2O$ M = 484,06 g/mol	PF. S. *2843*	1 kg 50 kg	21,50 price on request	18,30	17,20	16,—

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	Sodium hexafluoroaluminate see Cryolite						
503 .1/75 .1 1549 3	**Sodium hexahydroxoantimonate(V)** *Sodium hexahydroxoantimonate(V) / Sodio hexahidroxoantimonato(V)* $Na[Sb(OH)_6]$ $M = 246{,}78$ g/mol antimony (Sb) ..... 48,5% R: 20/22 S: 22 disposal: 26	PF. S. *2847*	1 kg 50 kg	price on request price on request			
267	**Sodium hexametaphosphate** *Sodium hexamétaphosphate / Sodio hexametafosfato* $(NaPO_3)_n$ $M = NaPO_3$ 101,96 g/mol assay of P_2O_5 ..... abt. 69%	PF. PF. PF. S. *2840*	500 g 1 kg 5 kg 50 kg	10,— 16,25 60,— price on request	8,50 13,80 49,80	8,— 13,— 46,80	7,70 12,50 45,—
1296 5.1/8 5.1 1479 2	**Sodium hexanitrocobaltate(III)** R. G., Reag. ACS *Sodium hexanitrocobaltate(III) / Sodio hexanitrocobaltato(III)* $Na_3[Co(NO_2)_6]$ $M = 403{,}94$ g/mol insoluble in water ..... max. 0,005% iron (Fe) ..... max. 0,002% chloride (Cl) ..... max. 0,005% sulphate (SO_4) ..... max. 0,01% sensibility (for K) ..... passes test	WG. PF. PF. *2848*	25 g 100 g 1 kg	16,— 51,— 387,—	13,60 43,35 328,95	12,80 40,80 309,60	12,— 38,25 298,—
3520	**Sodium huminate** *Sodium huminate / Sodio huminato*	PF. S. *3906*	2,5 kg 25 kg	28,25 price on request	23,45	22,05	21,20
2863 4.3/2B 4.3 1427 1	**Sodium hydride** PROSYNTH® 50% suspension in oil *Sodium hydrure / Sodio hidruro* NaH $M = 24{,}00$ g/mol R: 15 S: 7/8-24/25-43A disposal: 28	WG. *2857*	250 g	46,75	39,75	37,40	35,05
3741 4.3/2B 4.3 1427 1	**Sodium hydride** PROSYNTH® 80% suspension in oil *Sodium hydrure / Sodio hidruro* NaH $M = 24{,}00$ g/mol R: 15 S: 7/8-24/25-43A disposal: 28	WG. *2857*	250 g	56,—	47,60	44,80	42,—
1437	**Sodium hydrogen carbonate** R. G. powder, Reag. ACS, Reag. Ph. Eur. I *Sodium hydrogénocarbonate / Sodio hidrógenocarbonato* $NaHCO_3$ $M = 84{,}01$ g/mol assay ..... min. 99,7% insoluble in water ..... max. 0,015% ammonium (NH_4) ..... max. 0,0005% calcium (Ca) ..... max. 0,005% iron (Fe) ..... max. 0,001% potassium (K) ..... max. 0,005% magnesium (Mg) ..... max. 0,005% heavy metals (as Pb) ..... max. 0,0005% chloride (Cl) ..... max. 0,002% phosphate (PO_4) ..... max. 0,001% sulphur compounds (as SO_4) ..... max. 0,003% matters reducing iodine (as SO_2) ..... max. 0,005%	PF. PF. PF. FTP. *2842*	500 g 1 kg 5 kg 50 kg	9,75 14,50 59,— kg	8,30 12,35 48,95 5,30	7,80 11,60 46,—	7,50 11,15 44,25

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		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
13433	○ **Sodium hydrogen carbonate** chem. pure powder, Ph. Eur. I, B. P. 1973, Ph. Franc, IX *Sodium hydrogénocarbonate / Sodio hidrógenocarbonato* $NaHCO_3$ $M = 84{,}01$ g/mol assay ..... 99,5% ammonium (NH_4) ..... passes test arsenic (As) ..... 0,0001% calcium (Ca) ..... 0,005% iron (Fe) ..... 0,001% potassium (K) ..... 0,005% heavy metals (as Pb) ..... 0,0005% carbonate (CO_3) ..... passes test chloride (Cl) ..... 0,01% sulphate (SO_4) 0,01%	PF. PF. S. S. *2842*	1 kg 5 kg 50 kg 5x	9,75 28,— kg kg	8,30 23,25 1,70 1,60	7,80 21,85	7,50 21,—
25134	*di*-**Sodium hydrogen citrate** *di-Sodium hydrogénocitrate / di-Sodio hidrogenocitrato* $C_6H_6Na_2O_7$ $M = 236{,}09$ g/mol	PF. *2916*	500 g	23,—	19,55	18,40	17,70
01211 A 8/15A C 8 2439 2	**Sodium hydrogen fluoride** technical centrifuge dried *Sodium hydrogénofluorure / Sodio hidrógenofluoruro* $NaHF_2$ $M = 61{,}99$ g/mol assay in dry substance ..... 96% assay of sodium fluoride (NaF) ..... 4% loss on drying (85 °C, 2 h) ..... 10—15% R: 25-34 S: 22-26-37 disposal: 27	PF. S. FTP. *2829*	1 kg 50 kg 50 kg	13,50 price on request price on request	11,50	10,80	10,40
30427	*di*-**Sodium hydrogen phosphate** R. G., buffer substance, Reag. ACS *di-Sodium hydrogénophosphate / di-Sodio hidrógenofosfato* Na_2HPO_4 $M = 141{,}96$ g/mol assay ..... min. 99% insoluble in water ..... max. 0,01% loss on drying (105 °C, 2 h) ..... max. 0,2% pH (0,1 M, 20 °C) ..... 9,1—9,2 arsenic (As) ..... max. 0,0001% iron (Fe) ..... max. 0,0005% heavy metals (as Pb) ..... max. 0,001% chloride (Cl) ..... max. 0,001% sulphate (SO_4) ..... max. 0,005% total nitrogen (N) ..... max. 0,002%	PF. PF. FTP. *2840*	250 g 1 kg 50 kg	10,50 27,— kg	8,95 22,95 12,—	8,40 21,60	7,90 20,80
04276	*di*-**Sodium hydrogen phosphate** (abt. 48% P_2O_5) *di-Sodium hydrogénophosphate / di-Sodio hidrógenofosfato* Na_2HPO_4 $M = 141{,}96$ g/mol	PF. S. *2840*	5 kg 50 kg	42,75 price on request	35,50	33,35	32,05
30412	*di*-**Sodium hydrogen phosphate-2-hydrate** R. G., buffer substance *di-Sodium hydrogénophosphate-2-hydrate / di-Sodio hidrógenofosfato-2-hidrato* $Na_2HPO_4 \cdot 2H_2O$ $M = 177{,}99$ g/mol assay ..... 99,5—100,5% insoluble in water ..... max. 0,005% loss on drying (105 °C) ..... 20,0—20,4% pH (2%, 20 °C) ..... 9,0—9,2 ammonium (NH_4) ..... max. 0,001% arsenic (As) ..... max. 0,0001% iron (Fe) ..... max. 0,0005% heavy metals (as Pb) ..... max. 0,001% chloride (Cl) ..... max. 0,001% sulphate (SO_4) ..... max. 0,005%	PF. PF. FTP. FTP. *2840*	500 g 1 kg 50 kg 5x	14,75 25,— kg kg	12,55 21,25 10,80 10,—	11,80 20,—	11,35 19,25

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4272	***di*-Sodium hydrogen phosphate-2-hydrate** chem. pure Ph. Belg. V., Ph. Nord. 1963 *di-Sodium hydrogénophosphate-2-hydrate / di-Sodio hidrógenofosfato-2-hidrato* $Na_2HPO_4 \cdot 2H_2O$ $M = 177{,}99$ g/mol assay ..... 98—101 % loss on drying (120 °C) ..... 19,5—22 % pH (5 %, 20 °C) ..... 8,9—9,4 ammonium (NH_4) ..... 0,001 % arsenic (As) ..... 0,0001 % calcium (Ca) ..... 0,01 % iron (Fe) ..... 0,002 % heavy metals (as Pb) ..... 0,001 % carbonate (CO_2) ..... 0,5 % chloride (Cl) ..... 0,005 % sulphate (SO_4) ..... 0,01 %	PF. PF. S. *2840*	1 kg 2,5 kg 50 kg	15,— 29,— price on request	12,75 24,05	12,— 22,60	11,55 21,75
0413	***di*-Sodium hydrogen phosphate-7-hydrate** R. G., Reag. ACS *di-Sodium hydrogénophosphate-7-hydrate / di-Sodio hidrógenofosfato-7-hidrato* $Na_2HPO_4 \cdot 7H_2O$ $M = 268{,}07$ g/mol assay ..... 99—101 % insoluble in water ..... max. 0,005 % pH (5 %, 20 °C) ..... 9,0—9,3 arsenic (As) ..... max. 0,0001 % iron (Fe) ..... max. 0,0005 % potassium (K) ..... max. 0,01 % heavy metals (as Pb) ..... max. 0,0005 % chloride (Cl) ..... max. 0,001 % sulphate (SO_4) ..... max. 0,005 % total nitrogen (N) ..... max. 0,001 %	PF. PF. PF. *2840*	250 g 500 g 1 kg	10,— 13,75 25,25	8,50 11,70 21,45	8,— 11,— 20,20	7,50 10,60 19,45
4274	***di*-Sodium hydrogen phosphate-7-hydrate** chem. pure Erg. B. 6, U. S. P. XIX *di-Sodium hydrogénophosphate-7-hydrate / di-Sodio hidrógenofosfato-7-hidrato* $Na_2HPO_4 \cdot 7H_2O$ $M = 268{,}07$ g/mol assay ..... 98—102 % loss on drying (120 °C) ..... 46,0—49,5 % arsenic (As) ..... 0,0005 % iron (Fe) ..... 0,002 % potassium (K) ..... 0,2 % heavy metals (as Pb) ..... 0,0005 % chloride (Cl) ..... 0,005 % sulphate (SO_4) ..... 0,02 %	PF. S. *2840*	1 kg 50 kg	15,75 price on request	13,40	12,60	12,15
0414	***di*-Sodium hydrogen phosphate-12-hydrate** R. G., Reag. ISO, Reag. Ph. Eur. I *di-Sodium hydrogénophosphate-12-hydrate / di-Sodio hidrógenofosfato-12-hidrato* $Na_2HPO_4 \cdot 12H_2O$ $M = 358{,}14$ g/mol assay ..... 99—101 % insoluble in water ..... max. 0,005 % pH (5 %, 20 °C) ..... 9,0—9,3 ammonium (NH_4) ..... max. 0,001 % arsenic (As) ..... max. 0,0001 % iron (Fe) ..... max. 0,0005 % potassium (K) ..... max. 0,005 % heavy metals (as Pb) ..... max. 0,0005 % chloride (Cl) ..... max. 0,0005 % sulphate (SO_4) ..... max. 0,005 % total nitrogen (N) ..... max. 0,001 %	PF. PF. PF. FTP. *2840*	500 g 1 kg 2,5 kg 50 kg	11,— 17,25 37,— kg	9,35 14,65 30,70 9,85	8,80 13,80 28,85	8,45 13,30 27,75

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		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
04273	***di*-Sodium hydrogen phosphate-12-hydrate** (19-20% P_2O_5) chem. pure cryst. Ph. Eur. I, B P. 1973, Ph. Franç. IX *di-Sodium hydrogenophosphate-12-hydrate / di-Sodio hidrógenofosfato-12-hidrato*	PF.	1 kg	12,75	10,85	10,20	9,8
		PF.	2,5 kg	24,25	20,15	18,90	18,2
		S.	50 kg	price on request			
		2840					
	$Na_2HPO_4 \cdot 12H_2O$ $M = 358,14$ g/mol						
	assay of Na_2HPO_4 ..... 99,5%						
	(in dried substance) 59%						
	loss on drying (130 °C) ..... 9,0—9,2						
	pH (5%, 20 °C) 0,0001%						
	arsenic (As) 0,001%						
	iron (Fe) 0,01%						
	potassium (K) 0,0005%						
	heavy metals (as Pb) 0,001%						
	chloride (Cl) 0,01%						
	sulphate (SO_4)						
13437	**Sodium hydrogen sulphate** technical granular *Sodium hydrogenosulfate / Sodio hidrógenosulfato*	PF.	5 kg	25,75	21,35	20,10	19,3
		S.	50 kg	price on request			
		2838					
	$NaHSO_4$ $M = 120,06$ g/mol						
	assay 95%						
	assay of Na_2SO_4 ..... 4%						
31438 A 8/13	**Sodium hydrogen sulphate-1-hydrate** R. G. *Sodium hydrogénosulfate-1-hydrate / Sodio hidrógenosulfato-1-hidrato*	PF.	500 g	13,75	11,70	11,—	10,6
		PF.	1 kg	21,75	18,50	17,40	16,7
		2838					
	$NaHSO_4 \cdot H_2O$ $M = 138,08$ g/mol						
	assay ..... min. 99%						
	insoluble in water ..... max. 0,002%						
	aluminium (Al) ..... max. 0,002%						
	arsenic (As) ..... max. 0,00005%						
	calcium (Ca) ..... max. 0,001%						
	iron (Fe) ..... max. 0,0005%						
	potassium (K) ..... max. 0,01%						
	magnesium (Mg) ..... max. 0,0005%						
	heavy metals (as Pb) ..... max. 0,0005%						
	chloride (Cl) ..... max. 0,001%						
	phosphate (PO_4) ..... max. 0,0005%						
	total nitrogen (N) ..... max. 0,001%						
13434 A 8/13	**Sodium hydrogen sulphate-1-hydrate** pure cryst. *Sodium hydrogénosulfate-1-hydrate / Sodio hidrógenosulfato-1-hidrato*	PF.	1 kg	16,75	14,25	13,40	12,9
		PF.	5 kg	62,50	51,90	48,75	46,9
		S.	50 kg	price on request			
		2838					
	$NaHSO_4 \cdot H_2O$ $M = 138,08$ g/mol						
	assay 98%						
	iron (Fe) 0,005%						
	heavy metals (as Pb) 0,005%						
	chloride (Cl) 0,001%						
	Sodium hydrosulphite see Sodium dithionite						
30620 A 8/31A C 8 1823 2	**Sodium hydroxide** R. G., pellets, Reag. ACS, Reag. Ph. Eur. I *Soude caustique / Sosa cáustica*	PF.	500 g	10,—	8,50	8,—	7,7
		PF.	1 kg	14,75	12,55	11,80	11,3
		PF.	5 kg	57,50	47,75	44,85	43,—
		FTP.	50 kg	kg	6,25		
		FTP.	5x	kg	5,70		
		2817					
	$NaOH$ $M = 40,00$ g/mol						
	assay ..... min. 99%						
	assay of Na_2CO_3 ..... max. 1%						
	aluminium (Al) ..... max. 0,0005%						
	calcium (Ca) ..... max. 0,0005%						
	iron (Fe) ..... max. 0,0005%						
	potassium (K) ..... max. 0,02%						
	nickel (Ni) ..... max. 0,0005%						
	heavy metals (as Pb) ..... max. 0,0005%						
	ammonium hydroxide-precipitate ..... max. 0,02%						
	chloride (Cl) ..... max. 0,0005%						
	phosphate (PO_4) ..... max. 0,0005%						
	silicate (SiO_2) ..... max. 0,001%						
	sulphate (SO_4) ..... max. 0,0005%						
	total nitrogen (N) ..... max. 0,0003%						

R: 35 S: 2-26-37/39
disposal: 3

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5 1A 823 2	**Sodium hydroxide** R. G., pellets (max. 0,0002% K) *Soude caustique / Sosa cáustica* NaOH $M = 40{,}00$ g/mol assay ..... min. 99% assay of Na_2CO_3 ..... max. 1% aluminium (Al) ..... max. 0,0002% lead (Pb) ..... max. 0,00001% cadmium (Cd) ..... max. 0,00001% calcium (Ca) ..... max. 0,0005% iron (Fe) ..... max. 0,0005% copper (Cu) ..... max. 0,00005% manganese (Mn) ..... max. 0,00005% potassium (K) ..... max. 0,0002% nickel (Ni) ..... max. 0,0001% zinc (Zn) ..... max. 0,00001% chloride (Cl) ..... max. 0,0005% phosphate (PO_4) ..... max. 0,0001% silicate (SiO_2) ..... max. 0,0005% sulphate (SO_4) ..... max. 0,0005% total nitrogen (N) ..... max. 0,0003% R: 35 S: 2-26-37/39 disposal: 3	PF. PF. PF. *2817*	250 g 1 kg 5 kg	16,50 46,50 204,—	14,05 39,55 169,30	13,20 37,20 159,10	12,40 35,80 153,—
59 31A 1823 2	**Sodium hydroxide** PURANAL®, pellets *Soude caustique / Sosa cáustica* NaOH $M = 40{,}00$ g/mol analytical data on request R: 35 S: 2-26-37/39 disposal: 3	PF. FTP. *2817*	5 kg 50 kg	price on request price on request			
03 31A 1823 2	**Sodium hydroxide** chem. pure pellets DAB 7, B. P. 1973 *Soude caustique / Sosa cáustica* NaOH $M = 40{,}00$ g/mol assay ..... 98% assay of sodium carbonate (Na_2CO_3) ..... 1,5% aluminium (Al) ..... 0,001% arsenic (As) ..... 0,0005% iron (Fe) ..... 0,001% potassium (K) ..... 0,01% heavy metals (as Pb) ..... 0,0005% chloride (Cl) ..... 0,002% phosphate (PO_4) ..... 0,001% silicate (SiO_2) ..... 0,01% sulphate (SO_4) ..... 0,003% total nitrogen (N) ..... 0,0005% R: 35 S: 2-26-37/39 disposal: 3	PF. PF. FTP. FTP. *2817*	1 kg 5 kg 50 kg 5x	13,75 50,50 kg kg	11,70 41,90 5,15 4,75	11,— 39,40	10,60 37,90
213 /31A 1823 2	**Sodium hydroxide** purified white pellets *Soude caustique / Sosa cáustica* NaOH $M = 40{,}00$ g/mol assay ..... 98% assay of sodium carbonate (Na_2CO_3) ..... 1,5% iron (Fe) ..... 0,002% heavy metals (as Pb) ..... 0,001% chloride (Cl) ..... 0,002% sulphate (SO_4) ..... 0,005% R: 35 S: 2-26-37/39 disposal: 3	PF. PF. FTP. FTP. *2817*	1 kg 5 kg 50 kg 5x	13,50 48,— kg kg	11,50 39,85 4,50 4,15	10,80 37,45	10,40 36,—
208 /31A 1823 2	**Sodium hydroxide** (max. 0,001% Cl) pellets for the manufacture of mirrors *Soude caustique / Sosa cáustica* NaOH $M = 40{,}00$ g/mol R: 35 S: 2-26-37/39 disposal: 3	PF. PF. *2817*	1 kg 5 kg	14,— 52,50	11,90 43,60	11,20 40,95	10,80 39,40

Code-Number
A) RID/ADR
B) GGVE/GGVS
C) IMDG-CODE (GGVSee)

		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Box
06301 A 8/31A C 8 1823 2	**Sodium hydroxide** technical scales *Soude caustique / Sosa cáustica* NaOH M = 40,00 g/mol ..... 98% assay ..... 0,001% iron (Fe) ..... 0,001% heavy metals (as Pb) ..... 0,02% chloride (Cl) ..... 0,03% sulphate (SO_4) ..... R: 35 S: 2-26-37/39 disposal: 3	PF. S. *2817*	5 kg 50 kg	36,— kg	29,90 1,75	28,10	27,
30531 A 8/32 C 8 1824 2	**Sodium hydroxide solution** 32% R. G., for the determination of nitrogen (max. 0,0005% N) *Soude lessive / Sosa cáustica líquida* NaOH M = 40,00 g/mol 1 L ≈ 1,35 kg assay ..... min. 32% assay of Na_2CO_3 ..... max. 0,5% aluminium (Al) ..... max. 0,0005% iron (Fe) ..... max. 0,0005% heavy metals (as Pb) ..... max. 0,0005% chloride (Cl) ..... max. 0,002% phosphate (PO_4) ..... max. 0,0005% silicate (SiO_2) ..... max. 0,003% sulphate (SO_4) ..... max. 0,001% total nitrogen (N) ..... max. 0,0005% R: 35 S: 2-26-27-37/39 disposal: 3	PF. PF. FPF. FPF. *2817*	1 L 2,5 L 35 kg 5x	15,— 31,25 kg kg	12,75 25,95 3,50 3,30	12,— 24,40	11, 23,
05211 A 8/32 C 8 1824 2	**Sodium hydroxide solution** *Soude lessive / Sosa cáustica líquida* NaOH M = 40,00 g/mol 1 L ≈ 1,35 kg assay ..... 32% iron (Fe) ..... 0,002% heavy metals (as Pb) ..... 0,001% chloride (Cl) ..... 0,005% sulphate (SO_4) ..... 0,005% R: 35 S: 2-26-27-37/39 disposal: 3	PF. FPF. FPF. FPF. FPF. FPF. *2817*	2,5 L 35 kg 5x 10x 20x 40x	21,50 kg kg kg kg kg	17,85 2,35 2,20 2,05 1,90 1,85	16,75	16,
38227	**0,01 mol Sodium hydroxide solution** FIXANAL® 0,400 g NaOH for 1 L 0,01 N solution *0,01 mol Soude lessive / 0,01 mol Sosa cáustica líquida* ampoule R: 36/38 S: 2-26 disposal: 3	*3819*	1 pack	8,75	7,45	7,—	6,
38226	**0,025 mol Sodium hydroxide solution** FIXANAL® 1,000 g NaOH for 1 L 0,025 N solution *0,025 mol Soude lessive / 0,025 mol Sosa cáustica líquida* ampoule	*3819*	1 pack	11,50	9,80	9,20	8,
38222	**1/28 mol Sodium hydroxide solution** FIXANAL® 1,428 g NaOH for 1 L 1/28 N solution *1/28 mol Soude lessive / 1/28 mol Sosa cáustica líquida* ampoule R: 36/38 S: 2-26 disposal: 3	*3819*	1 pack	16,25	13,80	13,—	12,
38218 A 8/32 C 8 1824 2	**1/6,745 mol Sodium hydroxide solution** FIXANAL® for determination of phosphorus in iron (1 ml ≙ 0,01% phosphorus in 2 grammes of substance) 5,930 g NaOH for 1 L 1/6,745 N solution; for iron-works laboratories *1/6,745 mol Soude lessive / 1/6,745 mol Sosa cáustica líquida* ampoule R: 35 S: 2-26-27-37/39 disposal: 3	*3819*	1 pack	8,75	7,45	7,—	6,

refer explanations

ode-Number) RID/ADR) GGVE/GGVS) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
8210 8/32 8 1824 2	**0,1 mol Sodium hydroxide solution** FIXANAL® 4,000 g NaOH for 1 L 0,1 N solution *0,1 mol Soude lessive / 0,1 mol Sosa cáustica líquida* ampoule R: 35 S: 2-26-27-37/39 disposal: 3	*3819*	1 pack	8,75	7,45	7,—	6,55
38224 8/32 8 1824 2	**0,2 mol Sodium hydroxide solution** FIXANAL® 7,999 g NaOH for 1 L 0,2 N solution *0,2 mol Soude lessive / 0,2 mol Sosa cáustica líquida* ampoule R: 35 S: 2-26-27-37/39 disposal: 3	*3819*	1 pack	11,50	9,80	9,20	8,65
38223 8/32 8 1824 2	**0,25 mol Sodium hydroxide solution** FIXANAL® 9,999 NaOH for 1 L 0,25 N solution *0,25 mol Soude lessive / 0,25 mol Sosa cáustica líquida* bottle R: 35 S: 2-26-27-37/39 disposal: 3	*3819*	1 pack	10,25	8,70	8,20	7,70
38217 8/32 8 1824 2	**0,5 mol Sodium hydroxide solution** FIXANAL® 19,999 g NaOH for 1 L 0,5 N solution *0,5 mol Soude lessive / 0,5 mol Sosa cáustica líquida* bottle R: 35 S: 2-26-27-37/39 disposal: 3	*3819*	1 pack	10,25	8,70	8,20	7,70
38215 8/32 8 1824 2	**1 mol Sodium hydroxide solution** FIXANAL® 39,997 g NaOH for 1 L 1 N solution *1 mol Soude lessive / 1 mol Sosa cáustica líquida* bottle R: 35 S: 2-26-27-37/39 disposal: 3	*3819*	1 pack	11,25	9,55	9,—	8,45
38212 8/32 8 1824 2	**2 mol Sodium hydroxide solution** FIXANAL® 79,994 g NaOH ≙ 2 equivalents *2 mol Soude lessive / 2 mol Sosa cáustica líquida* ampoule R: 35 S: 2-26-27-37/39 disposal: 3	*3819*	1 pack	19,50	16,60	15,60	14,65
38214 8/32 8 1824 2	**10 mol Sodium hydroxide solution** FIXANAL® 399,97 g NaOH ≙ 10 equivalents *10 mol Soude lessive / 10 mol Sosa cáustica líquida* bottle R: 35 S: 2-26-27-37/39 disposal: 3	*3819*	1 pack	43,—	36,55	34,40	32,25
35263	**Sodium hydroxide solution 0,1 mol/l** 0,1 N volumetric solution Ph. Eur. I *Soude lessive 0,1 mol/l / Sosa cáustica líquida 0,1 mol/l* 1 L ≈ 1,00 kg	PF. PK. *3819*	1 L 5 L	12,— 46,25	10,20 38,40	9,35 36,10	8,90 34,70
35261	**Sodium hydroxide solution 0,2 mol/l** 0,2 N volumetric solution *Soude lessive 0,2 mol/l / Sosa cáustica líquida 0,2 mol/l* 1 L ≈ 1,01 kg	PF. *3819*	1 L	12,75	10,85	10,20	9,80
35260	**Sodium hydroxide solution 0,25 mol/l** 0,25 N volumetric solution *Soude lessive 0,25 mol/l / Sosa cáustica líquida 0,25 mol/l* 1 L ≈ 1,01 kg	PF. *3819*	1 L	12,75	10,85	10,20	9,80

FIXANAL® preparations for standard solutions

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
35257	**Sodium hydroxide solution 0,5 mol/l** 0,5 N volumetric solution *Soude lessive 0,5 mol/l / Sosa cáustica líquida 0,5 mol/l* **1 L ≈ 1,02 kg** R: 36/38 S: 2-26 disposal: 3	PF. *3819*	1 L	12,—	10,20	9,60	9,2
35256	**Sodium hydroxide solution 1 mol/l** 1 N volumetric solution Ph. Eur. I *Soude lessive 1 mol/l / Sosa cáustica líquida 1 mol/l* **1 L ≈ 1,04 kg** R: 36/38 S: 2-26 disposal: 3	PF. PK. *3819*	1 L 5 L	12,50 46,—	10,65 38,20	9,75 35,90	9,2 34,5
35254 A 8/32 C 8 1824 2	**Sodium hydroxide solution 2 mol/l** 2 N volumetric solution *Soude lessive 2 mol/l / Sosa cáustica líquida 2 mol/l* **1 L ≈ 1,08 kg** R: 36/38 S: 2-26 disposal: 3	PF. *3819*	1 L	13,75	11,70	11,—	10,6
09029 A 8/32 C 8 1824 2	**Sodium hydroxide-d solution** (30% in D_2O) deuteration degree not less than 99,5 atom% D *Soude lessive-d / Sosa cáustica líquida-d* NaOD M = 40,99 g/mol **1 L ≈ 1,56 kg**	FL. *2851*	25 ml	price on request			
	Sodium hypodisulphite see Sodium dithionite						
04434	**Sodium hypophosphite** chem. pure B. P. C. 1963 *Sodium hypophosphite / Sodio hipofosfito* $NaPH_2O_2$ M = 87,98 g/mol assay ..... 98% loss on drying (105 °C, 2 h) ..... 1% free alkali (as CaO) ..... 0,2% arsenic (As) ..... 0,0002% iron (Fe) ..... 0,001% heavy metals (as Pb) ..... 0,001% chloride (Cl) ..... 0,02% phosphate (PO_4) ..... passes test sulphate (SO_4) 0,02%	PF. PF. FTP. *2840*	500 g 1 kg 50 kg	29,50 54,50 price on request	25,10 46,35	23,60 43,60	22,1 41,6
30410	**Sodium hypophosphite-1-hydrate** R. G., Reag. Ph. Eur. I *Sodium hypophosphite1-hydrate / Sodio hipofosfito-1-hidrato* $NaPH_2O_2 \cdot H_2O$ M = 105,99 g/mol assay ..... 99—103% insoluble in water ..... max. 0,01% pH (5%, 20 °C) ..... 6—8 ammonium (NH_4) ..... max. 0,001% arsenic (As) ..... max. 0,0001% barium (Ba) ..... max. 0,005% calcium (Ca) ..... max. 0,05% iron (Fe) ..... max. 0,0005% magnesium (Mg) ..... max. 0,005% heavy metals (as Pb) ..... max. 0,0005% chloride (Cl) ..... max. 0,005% phosphate and phosphite (as PO_4) ..... max. 0,5% sulphate (SO_4) ..... max. 0,01%	PF. PF. PF. FTP. *2840*	250 g 1 kg 5 kg 50 kg	20,— 59,— 248,— kg	17,— 50,15 205,85 42,—	16,— 47,20 193,45	15, 45, 186,
17816	**Sodium hypophosphite-1-hydrate** PURANAL® *Sodium hypophosphite-1-hydrate / Sodio hipofosfito-1-hidrato* $NaPH_2O_2 \cdot H_2O$ M = 105,99 g/mol analytical data on request	PF. FTP. *2840*	5 kg 50 kg	price on request price on request			

refer explanations

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)	Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
04415 **Sodium hypophosphite-1-hydrate** chem. pure DAC, N. F. X *Sodium hypophosphite-1-hydrate / Sodio hipofosfito-1-hidrato* $NaPH_2O_2 \cdot H_2O$ $M = 105{,}99$ g/mol assay ..... 99% water (according to Karl Fischer) ..... 13–19% alkalinely or acidly reacting impurities ..... passes test arsenic (As) ..... 0,0005% calcium (Ca) ..... 0,005% iron (Fe) ..... 0,001% heavy metals (as Pb) ..... 0,001% chloride (Cl) ..... 0,02% phosphate and phosphite (as PO_4) ..... passes test sulphate (SO_4) 0,02%	PF. PF. PF. FTP. *2840*	500 g 1 kg 5 kg 50 kg	25,75 48,— 197,— price on request	21,90 40,80 163,50	20,60 38,40 153,65	19,85 36,95 147,75
Sodium hyposulphite see Sodium thiosulphate						
03128 **Sodium iodate** C 5.1 1479 2 *Sodium iodate / Sodio yodato* $NaJO_3$ $M = 197{,}89$ g/mol assay ..... 99,8% iron (Fe) ..... 0,001% heavy metals (as Pb) ..... 0,002% chlorate (ClO_3) ..... 0,05% sulphate (SO_4) 0,05%	WG. WG. *2832*	100 g 1 kg	20,— 151,—	17,— 128,35	16,— 120,80	15,— 116,25
56051 **Sodium iodide** (thallium activated) for scintillation A 6.1/54 C 6.1 1707 2 *Sodium iodure / Sodio yoduro* R: 20/21/22 S: 28 disposal: 10	WG. WG. *3207*	100 g 1 kg	price on request price on request			
03130 **Sodium iodide** chem. pure for optical use *Sodium iodure / Sodio yoduro* NaJ $M = 149{,}89$ g/mol	PF. PF. FTP. *2830*	100 g 500 g 50 kg	13,75 56,50 price on request	11,70 48,05	11,— 45,20	10,30 43,50
03129 **Sodium iodide** chem. pure Ph. Eur. I, B. P. 1973, Ph. Franç. IX, U. S. P. XIX *Sodium iodure / Sodio yoduro* NaJ $M = 149{,}89$ g/mol assay (ex dried substance) ..... 99,8% loss on drying (105 °C) ..... 1% free alkali (as NaOH) ..... 0,01% barium (Ba) ..... passes test iron (Fe) ..... 0,0005% potassium (K) ..... 0,01% heavy metals (as Pb) ..... 0,0005% chloride and bromide (as Cl) ..... 0,03% iodate (IO_3) ..... 0,0002% sulphate (SO_4) ..... 0,01% thiosulphate (S_2O_3) 0,005%	PF. PF. FTP. *2830*	500 g 1 kg 50 kg	43,75 80,— price on request	37,20 68,—	35,— 64,—	33,70 61,60
25124 **Sodium iron(III) citrate** about 34% Fe *Sodium-fer(III) citrate / Sodio e hierro(III) citrato*	PF. *2916*	1 kg	34,50	29,35	27,60	26,55
25127 **Sodium iron(III) citrate** 18% Fe *Sodium-fer(III) citrate / Sodio e hierro(III) citrato* assay of Fe ..... 17,1–18,9% assay of $C_6H_8O_7$ 66–73%	PF. *2916*	1 kg	33,25	28,25	26,60	25,60
25309 **Sodium lactate solution** 50%, DAB 8 *Sodium lactate en solution / Sodio lactato en solución* $CH_3CHOHCOONa$ $C_3H_5NaO_3$ $M = 112{,}06$ g/mol **1 L ≈ 1,28 kg** assay ..... 49–51% pH (1 + 4 diluted) ..... 5–7 calcium (Ca) ..... 0,005% iron (Fe) ..... 0,0005% heavy metals (as Pb) ..... 0,0002% chloride (Cl) ..... 0,002% sulphate (SO_4) ..... 0,005% reducing substances ..... passes test	FL. FL. FPF. *2916*	1 L 2,5 L 35 kg	29,50 64,50 price on request	25,10 53,55	23,60 50,30	22,70 48,40

HYDRANAL® a new Karl Fischer reagent

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	Sodium lauryl sulphate see Sodium dodecyl sulphate						
	Sodium metaarsenite see 0,1 N Sodium *meta*-arsenite						
	Sodium metabisulphite see Sodium disulphite						
	Sodium metaperiodate see Sodium tetroxoiodate(VII)						
	Sodium metaphosphate see Sodium hexametaphosphate						
	Sodium metavanadate see Sodium *meta*-vanadate						
62864 A - B 4.1/12A C 4.3 1431 1 +11 °C	**Sodium methylate** PROSYNTH® *Sodium méthylate / Sodio metilato* CH_3ONa CH_3NaO $M = 54,02$ g/mol assay (acidimetric) ..... 98 % R: 11-14-34 S: 8-16-26-43 disposal: 28	BL. 2945	1 kg	34,50	29,35	27,60	26,5
13546 A 3/5 C 3.2 1289 2 +11 °C	**Sodium methylate solution** abt. 30 % in methanol *Sodium méthylate en solution / Sodio metilato en solución* $NaOCH_3$ $M = 54,02$ g/mol **1 L ≈ 0,98 kg** R: 11-23/25 S: 2-7-16-24 disposal: 28	FL. FL. EKL. 2945	1 L 2,5 L 25 kg	14,75 31,25	12,55 25,95 price on request	11,80 24,40	11,3 23,4
	Sodium metoxide see Sodium methylate						
31439	**Sodium molybdate-2-hydrate** R. G. Reag. Ph. Eur I *Sodium molybdate-2-hydrate / Sodio molibdato-2-hidrato* $Na_2MoO_4 \cdot 2H_2O$ $M = 241,95$ g/mol assay ..... min. 99,5 % ammonium (NH_4) ..... max. 0,001 % lead (Pb) ..... max. 0,001 % iron (Fe) ..... max. 0,001 % heavy metals (as Pb) ..... max. 0,001 % chloride (Cl) ..... max. 0,005 % phosphate (PO_4) ..... max. 0,001 % sulphate (SO_4) ..... max. 0,005 %	PF. PF. PF. 2847	100 g 250 g 1 kg	price on request price on request price on request			
13315	**Sodium molybdate-2-hydrate** chem. pure cryst. *Sodium molybdate-2-hydrate / Sodio molibdato-2-hidrato* $Na_2MoO_4 \cdot 2H_2O$ $M = 241,95$ g/mol insoluble in water ..... 0,01 % ammonium (NH_4) ..... 0,01 % iron (Fe) ..... 0,001 % heavy metals (as Pb) ..... 0,001 % chloride (Cl) ..... 0,005 % phosphate (PO_4) ..... 0,001 % sulphate (SO_4) ..... 0,05 %	PF. PF. 2847	1 kg 2,5 kg	price on request price on request			
13316	**Sodium molybdate-2-hydrate** technical cryst. *Sodium molybdate-2-hydrate / Sodio molibdato-2-hidrato* $Na_2MoO_4 \cdot 2H_2O$ $M = 241,95$ g/mol assay ..... 99,5 %	PF. S. 2847	1 kg 50 kg	price on re quest price on request			
20129	**Sodium monoethylbarbiturate** *Sodium monoéthylbarbiturate / Sodio monoetilbarbiturato* $(C_2H_5)HC\underline{CON=C(ONa)NHC}O$ $C_6H_7N_2NaO_3$ $M = 178,12$ g/mol	2925					
	Sodium monohydrogen phosphate according to Sörensen see *di*-Sodium hydrogen phosphate-2-hydrate						
13504	**Sodium naphthalenesulphonate-(1)** fine powder *Sodium naphtalènesulfonate-(1) / Sodio naftalenosulfonato-(1)* $C_{10}H_7NaO_3S$ $M = 230,22$ g/mol	PF. PF. S. 2903	500 g 1 kg 45 kg	59,— 27,25	50,15 23,15 price on request	47,20 21,80	45,4 21,-

refer explanations

ode-Number) RID/ADR) GGVE/GGVS) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
3507	**Sodium naphthalenesulphonate-(2)** *Sodium naphtalènesulfonate-(2) / Sodio naftalenosulfonato-(2)* $C_{10}H_7NaO_3S$ *M* = 230,22 g/mol	PF. S. *2903*	1 kg 50 kg	22,—	18,70 price on request	17,60	16,95
3429	**Sodium naphthoquinone-(1,2)-sulphonate-(4)** R. G., reagent for amino acids according to Folin *Sodium naphtoquinone-(1-2)-sulfonate-(4) / Sodio naftoquinon-(1,2)-sulfonato-(4)* $C_6H_4COCOCH=CSO_3Na$ $C_{10}H_5NaO_5S$ *M* = 260,20 g/mol assay ..... min. 99% loss on drying (105 °C) ..... max. 1% sulphate (SO_4) ..... max. 0,05% total nitrogen (N) ..... max. 0,005% suitability for detection of amino acids .... passes test	PF. *2913*	25 g	82,50	70,15	66,—	61,90
9115	**Sodium naphthyl-1-phosphate** BIOSYNTH® *Sodium naphtyle-1-phosphate / Sodio naftilo-1-fosfato* $C_{10}H_7OPO_3HNa$ $C_{10}H_8NaO_4P$ *M* = 246,13 g/mol	WG. *2919*	5 g	22,25	18,90	17,80	16,70
1440 5.1/7A - 5.1 1498 3	**Sodium nitrate** R. G., Reag. ACS, Reag. ISO *Sodium nitrate / Sodio nitrato* $NaNO_3$ *M* = 84,99 g/mol assay ..... min. 99% insoluble in water ..... max. 0,005% pH (5%, 20 °C) ..... 5,5—8,0 ammonium (NH_4) ..... max. 0,002% calcium (Ca) ..... max. 0,002% iron (Fe) ..... max. 0,0002% potassium (K) ..... max. 0,005% magnesium (Mg) ..... max. 0,001% heavy metals (as Pb) ..... max. 0,0005% chloride (Cl) ..... max. 0,0005% iodate (IO_3) ..... max. 0,0005% nitrite (NO_2) ..... max. 0,001% phosphate (PO_4) ..... max. 0,0002% sulphate (SO_4) ..... max. 0,003%	PF. PF. FTP. *2839*	500 g 1 kg 50 kg	11,25 19,25 kg	9,55 16,35 9,80	9,— 15,40	8,65 14,80
3444 5.1/7A - 5.1 1498 3	**Sodium nitrate** chem. pure cryst. *Sodium nitrate / Sodio nitrato* $NaNO_3$ *M* = 84,99 g/mol assay ..... 99% pH (5%, 20 °C) ..... 5—7 calcium (Ca) ..... 0,005% iron (Fe) ..... 0,001% potassium (K) ..... 0,05% magnesium (Mg) ..... 0,005% heavy metals (as Pb) ..... 0,001% chloride (Cl) ..... 0,002% sulphate (SO_4) 0,01%	PF. PF. S. *2839*	1 kg 5 kg 50 kg	11,75 44,—	10,— 36,50 price on request	9,40 34,30	9,05 33,—
3446 5.1/7A - 5.1 1498 3	**Sodium nitrate** technical cryst. *Sodium nitrate / Sodio nitrato* $NaNO_3$ *M* = 84,99 g/mol assay 97%	PF. S. *2839*	5 kg 50 kg	23,50	19,50 price on request	18,35	17,65
1443 5.1/8 5.1 1500 2	**Sodium nitrite** R. G., cryst., Reag. ACS, Reag. Ph. Eur. I *Sodium nitrite / Sodio nitrito* $NaNO_2$ *M* = 69,00 g/mol assay ..... min. 99% insoluble in water ..... max. 0,005% calcium (Ca) ..... max. 0,002% iron (Fe) ..... max. 0,001% potassium (K) ..... max. 0,005% heavy metals (as Pb) ..... max. 0,001% chloride (Cl) ..... max. 0,005% sulphate (SO_4) ..... max. 0,005% R: 8-25 S: 44 disposal: 16	PF. PF. PF. *2839*	250 g 500 g 1 kg	10,25 14,25 25,75	8,70 12,10 21,90	8,20 11,40 20,60	7,70 10,95 19,85

Code-Number
A) RID/ADR
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C) IMDG-CODE (GGVSee)

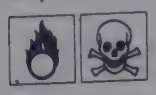
Type of package *B.T.N.*

Price per package DM		1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
PF.	1 kg	13,—	11,05	10,40	10,—
PF.	5 kg	44,50	36,95	34,70	33,4
S.	50 kg	price on request			
2839					

13447 ○ **Sodium nitrite** chem. pure cryst. DAB 8, B. P. C. 1973, U. S. P. XIX
A 5.1/8
C 5.1 1500 2
Sodium nitrite / Sodio nitrito

$NaNO_2$ $M = 69{,}00$ g/mol

assay	99,5 %
loss on drying (in vacuum)	0,2 %
arsenic (As)	0,0001 %
heavy metals (as Pb)	0,001 %
chloride (Cl)	0,005 %
sulphate (SO_4)	0,01 %



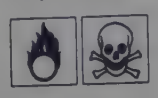
R: 8-25 S: 44
disposal: 16

PF.	5 kg	25,75	21,35	20,10	19,3
S.	50 kg	price on request			
2839					

13450 **Sodium nitrite** technical
A 5.1/8
C 5.1 1500 2
Sodium nitrite / Sodio nitrito

$NaNO_2$ $M = 69{,}00$ g/mol

assay	98 %
heavy metals (as Pb)	0,005 %
chloride (Cl)	0,02 %
sulphate (SO_4)	0,05 %



R: 8-25 S: 44
disposal: 16

Sodium nitrite solution see Ehrlich's diazo reagent, solution A + B

PF.	1 kg	26,25	22,30	21,—	20,2
S.	35 kg	price on request			
2903					

27771 **Sodium-3-nitrobenzenesulphonate**
Sodium 3-nitrobenzènesulfonate / Sodio 3-nitrobencenosulfonato

$C_6H_4(NO_2)SO_3Na$
$C_6H_4NNaO_5S$ $M = 225{,}16$ g/mol

PF.	50 g	11,50	9,80	9,20	8,6
PF.	100 g	20,25	17,20	16,20	15,2
2843					

31444 **Sodium nitroprusside** R. G., Reag. ACS, Reag. Ph. Eur. I
A 6.1/31A
C 6.1 2811 2
Sodium nitroprussiate / Sodio nitroprusiato

$Na_2[Fe(CN)_5NO] \cdot 2H_2O$ $M = 297{,}95$ g/mol

assay	min. 99 %
chloride (Cl)	max. 0,01 %
hexacyanoferrate(II) ($[Fe(CN)_6]^{-4}$)	max. 0,02 %
hexacyanoferrate(III) ($[Fe(CN)_6]^{-3}$)	max. 0,01 %
sulphate (SO_4)	max. 0,01 %

R: 23/24/25 S: 44
disposal: 10

PF.	100 g	17,—	14,45	13,60	12,7
PF.	500 g	63,—	53,55	50,40	48,5
PF.	1 kg	116,—	98,60	92,80	89,3
2843					

13451 **Sodium nitroprusside**
A 6.1/31A
C 6.1 2811 2
Sodium nitroprussiate / Sodio nitroprusiato

$Na_2[Fe(CN)_5NO] \cdot 2H_2O$ $M = 297{,}95$ g/mol

R: 23/24/25 S: 44
disposal: 10

Sodium nitrosopentacyanoferrate(III) see Sodium nitroprusside

PF.	1 kg	27,75	23,60	22,20	21,3
S.	25 kg	price on request			
2914					

26125 **Sodium oleate** pure powder
Sodium oléate / Sodio oleato

assay of oleic acid	90 %
free alkali (as NaOH)	0,5 %
heavy metals (as Pb)	0,005 %
chloride (Cl)	0,2 %

refer explanations

Code-Number) RID/ADR) GGVE/GGVS) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (10 Boxes)
32322 C 6.1 2449 3	**Sodium oxalate** R. G. *Sodium oxalate / Sodio oxalato* NaOOCCOONa $C_2Na_2O_4$ *M* = 134,00 g/mol assay ..... min. 99,5% pH (2,5%, 20 °C) ..... 7,0—8,5 insoluble in water ..... max. 0,005% loss on drying (105 °C) ..... max. 0,05% iron (Fe) ..... max. 0,0005% potassium (K) ..... max. 0,01% heavy metals (as Pb) ..... max. 0,001% chloride (Cl) ..... max. 0,002% sulphate (SO_4) ..... max. 0,01% total nitrogen (N) ..... max. 0,0005% R: 21/22 S: 2-24/25 disposal: 8	PF. PF. PF. *2915*	250 g 500 g 1 kg	21,— 38,75 68,—	17,85 32,95 57,80	16,80 31,— 54,40	15,75 29,85 52,35
25422 C 6.1 2449 3	**Sodium oxalate** chem. pure *Sodium oxalate / Sodio oxalato* NaOOCCOONa $C_2Na_2O_4$ *M* = 134,00 g/mol assay ..... 99,5% pH (2,5%, 20 °C) ..... 6,5—8,5 iron (Fe) ..... 0,001% heavy metals (as Pb) ..... 0,002% chloride (Cl) ..... 0,005% sulphate (SO_4) ..... 0,02% R: 21/22 S: 2-24/25 disposal: 8	PF. PF. S. *2915*	500 g 1 kg 25 kg	23,50 43,25 price on request	20,— 36,75	18,80 34,60	18,10 33,30
25423 C 6.1 2449 3	**Sodium oxalate** purified *Sodium oxalate / Sodio oxalato* NaOOCCOONa $C_2Na_2O_4$ *M* = 134,00 g/mol assay ..... 99% pH (2,5%, 20 °C) ..... 6,5—8,5 iron (Fe) ..... 0,005% heavy metals (as Pb) ..... 0,005% chloride (Cl) ..... 0,01% sulphate (SO_4) ..... 0,05% R: 21/22 S: 2-24/25 disposal: 8	PF. S. *2915*	5 kg 50 kg	94,50 price on request	78,45	73,70	70,90
62865 A 6.1/13C C 6.1 2567 2	**Sodium pentachlorophenolate** PROSYNTH® *Sodium pentachlorophénolate / Sodio pentaclorofenolato* C_6Cl_5ONa C_6Cl_5NaO *M* = 288,32 g/mol assay (ex Cl, on anhydrous substance) ..... 98% R: 23/24/25 S: 28-36/39-44 disposal: 10	PF. *2907*	1 kg	29,50	25,10	23,60	22,70
11621 C 5.1 1480 2	**Sodium perborate** pure *Sodium perborate / Sodio perborato* $NaBO_2 \cdot H_2O_2 \cdot 3H_2O$ *M* = 153,86 g/mol assay ..... 98% iron (Fe) ..... 0,002% heavy metals (as Pb) ..... 0,002% chloride (Cl) ..... 0,01% sulphate (SO_4) 0,05%	PF. PF. S. *2846*	1 kg 2,5 kg 50 kg	11,50 24,— price on request	9,80 19,90	9,20 18,70	8,85 18,—

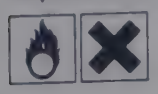
Code-Number
A) RID/ADR
B) GGVE/GGVS
C) IMDG-CODE (GGVSee)

Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
BL.	1 kg	21,75	18,50	17,40	16,7
BLT.	100 kg	price on request			
2832					

13455 **Sodium perchlorate** pure
A 5.1/4B
Sodium perchlorate / Sodio perclorato
C 5.1 1502 2

$NaClO_4$ $M = 122,44$ g/mol

	99 %
assay	0,005 %
calcium (Ca)	0,002 %
iron (Fe)	0,002 %
heavy metals (as Pb)	0,05 %
chlorate (ClO_3)	0,02 %
chloride (Cl)	0,01 %
sulphate (SO_4)	



R: 9-22 S: 2-13-22-27
disposal: 16

BL.	500 g	11,—	9,35	8,80	8,4
BL.	2,5 kg	41,75	34,65	32,55	31,3
BLT.	100 kg	price on request			
2832					

13454 **Sodium perchlorate-1-hydrate** pure
A 5.1/4B
Sodium perchlorate-1-hydrate / Sodio perclorato-1-hidrato
C 5.1 1502 2

$NaClO_4 \cdot H_2O$ $M = 140,46$ g/mol

	99,5 %
assay	0,005 %
calcium (Ca)	0,002 %
iron (Fe)	0,002 %
heavy metals (as Pb)	0,05 %
chlorate (ClO_3)	0,02 %
chloride (Cl)	0,01 %
sulphate (SO_4)	

R: 9-22 S: 2-13-22-27
disposal: 16

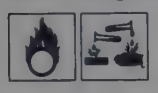
Sodium *meta*-periodate see Sodium tetroxoiodate(VII)

BL.	500 g	22,—	18,70	17,60	16,9
BL.	1 kg	37,—	31,45	29,60	28,5
BL.	2,5 kg	80,—	66,40	62,40	60,—
2817					

31445 **Sodium peroxide** R. G., granular, Reag. ACS
A 5.1/9A
Sodium peroxyde / Sodio peróxido
C 5.1 1504 1

Na_2O_2 $M = 77,98$ g/mol

assay	min. 95 %
insoluble in water	max. 0,02 %
aluminium (Al)	max. 0,005 %
iron (Fe)	max. 0,002 %
heavy metals (as Pb)	max. 0,002 %
chloride (Cl)	max. 0,002 %
phosphate (PO_4)	max. 0,0005 %
sulphate (SO_4)	max. 0,001 %
total nitrogen (N)	max. 0,003 %



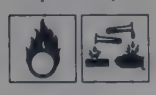
R: 8-35 S: 8-27-39
disposal: 16

BL.	500 g	16,—	13,60	12,80	12,3
BL.	1 kg	29,25	24,85	23,40	22,5
BL.	2,5 kg	63,50	52,70	49,55	47,6
2817					

13456 **Sodium peroxide**
A 5.1/9A
Sodium peroxyde / Sodio peróxido
C 5.1 1504 1

Na_2O_2 $M = 77,98$ g/mol

assay of active oxygen	20 %
iron (Fe)	0,005 %
chloride (Cl)	0,01 %
sulphate (SO_4)	0,003 %



R: 8-35 S: 8-27-39
disposal: 16

WG.	500 g	13,—	11,05	10,40	10,—
WG.	1 kg	17,50	14,90	14,—	13,5
S.	50 kg	price on request			
2838					

13457 **Sodium peroxodisulphate**
C 5.1 1505 3
Sodium peroxodisulfate / Sodio peroxodisulfato

$Na_2S_2O_8$ $M = 238,11$ g/mol

assay	99 %
iron (Fe)	0,002 %
heavy metals (as Pb)	0,002 %
chloride (Cl)	0,005 %

Sodium persulphate see Sodium peroxodisulphate

refer explanations

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
33138	*di*-**Sodium phenylphosphate dihydrate** R. G., for the determination of phosphatase *di-Sodium phénylphosphate dihydrate / di-Sodio fenilfosfato dihidrato* $C_6H_5OPO(ONa)_2 \cdot 2H_2O$ $C_6H_5Na_2O_4P \cdot 2H_2O$ $M = 254{,}09$ g/mol assay (ex P. water-free substance) ..... min. 98% loss on drying (105 °C) ..... max. 15% free phenol ..... max. 0,02% suitability for determination of phosphatase passes test	WG. *2919*	100 g	60,—	51,—	48,—	45,—
	Sodium phosphate(*meta*-) see Sodium hexametaphosphate						
04278	*tri*-**Sodium phosphate** chem. pure *tri-Sodium phosphate / tri-Sodio fosfato* Na_3PO_4 $M = 163{,}94$ g/mol assay ..... 94% loss on ignition (800 °C) ..... 6% iron (Fe) ..... 0,002% heavy metals (as Pb) ..... 0,002% chloride (Cl) ..... 0,02% sulphate (SO_4) 0,02%	PF. PF. *2840*	1 kg 5 kg	25,— 93,50	21,25 77,60	20,— 72,95	19,25 70,15
04279	*tri*-**Sodium phosphate-10-hydrate** technical *tri-Sodium phosphate-10-hydrate / tri-Sodio fosfato-10-hidrato* $Na_3PO_4 \cdot 10H_2O$ $M = 344{,}09$ g/mol assay ..... 96% iron (Fe) ..... 0,005% heavy metals (as Pb) ..... 0,001% chloride (Cl) 0,1%	PF. *2840*	5 kg	35,—	29,05	27,30	26,25
04277	*tri*-**Sodium phosphate-12-hydrate** chem. pure cryst. *tri-Sodium phosphate-12-hydrate / tri-Sodio fosfato-12-hidrato* $Na_3PO_4 \cdot 12H_2O$ $M = 380{,}12$ g/mol assay of $Na_3PO_4 \cdot 12H_2O$ ..... 99% assay of free alkali (as NaOH) ..... 2% arsenic (As) ..... 0,0001% iron (Fe) ..... 0,001% heavy metals (as Pb) ..... 0,001% chloride (Cl) ..... 0,01% sulphate (SO_4) 0,01%	PF. PF. S. *2840*	1 kg 5 kg 50 kg	12,50 46,— price on request	10,65 38,20	10,— 35,90	9,65 34,50
	Sodium phosphate dibasic see *di*-Sodium hydrogen phosphate						
	Sodium phosphate monobasic see Sodium dihydrogen phosphate						
	Sodium phosphate tribasic see *tri*-Sodium phosphate						
04283	**Sodium phosphite-5-hydrate** *Sodium phosphite-5-hydrate / Sodio fosfito-5-hidrato* $Na_2(PHO_3) \cdot 5H_2O$ $M = 216{,}04$ g/mol assay ..... 98% iron (Fe) ..... 0,001% heavy metals (as Pb) ..... 0,001% chloride (Cl) ..... 0,005% sulphate (SO_4) 0,005%	PF. PF. FTP. *2840*	250 g 1 kg 25 kg	12,— 30,75 price on request	10,20 26,15	9,60 24,60	9,— 23,70
	Sodium potassium carbonate see Potassium carbonate—sodium carbonate						
	Sodium potassium tartrate see Potassium sodium tartrate						

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
18108	**Sodium propionate** N. F. XIV *Sodium propionate / Sodio propionato* CH_3CH_2COONa $C_3H_5NaO_2$ $M = 96,06$ g/mol assay (for dried substance) ..... 99,5% loss on drying (105 °C, 2 h) ..... 1% arsenic (As) ..... 0,0002% iron (Fe) ..... 0,003% heavy metals (as Pb) ..... 0,0005% zinc (Zn) 0,001%	PF. S. *2914*	1 kg 25 kg	22,— price on request	18,70	17,60	16,9
	Sodium pyrophosphate see *tetra*-Sodium diphosphate						
	Sodium pyrosulphite see Sodium disulphite						
	Sodium pyruvate see Pyruvic acid sodium salt						
	Sodium rhodanide see Sodium thiocyanate						
33432	**Sodium rhodizonate** R. G. *Sodium rhodizonate / Sodio rodizonato* $OC(CO)_3C(ONa)=CONa$ $C_6Na_2O_6$ $M = 214,04$ g/mol suitability for proof of barium ..... passes test suitability as indicator for sulphate titration ..... passes test	FL. FL. *2913*	1 g 5 g	9,50 28,—	8,10 23,80	7,60 22,40	7,1 21,—
31493	**Sodium salicylate** R. G. *Sodium salicylate / Sodio salicilato* HOC_6H_4COONa $C_7H_5NaO_3$ $M = 160,10$ g/mol assay ..... min. 99,5% water (according to Karl Fischer) ..... max. 0,2% iron (Fe) ..... max. 0,001% heavy metals (as Pb) ..... max. 0,001% chloride (Cl) ..... max. 0,002% sulphate (SO_4) ..... max. 0,01%	WG. *2916*	250 g	15,50	13,20	12,40	11,6
13475	○ **Sodium salicylate** chem. pure Ph. Eur. I *Sodium salicylate / Sodio salicilato* OHC_6H_4COONa $C_7H_5NaO_3$ $M = 160,10$ g/mol	PF. *2916*	1 kg	31,25	25,95	24,40	23,4
31619 A 6.1 C 6.1 2811 2	**Sodium selenite** R. G. *Sodium sélénite / Sodio selenito* $Na_2SeO_3 \cdot 5H_2O$ $M = 263,01$ g/mol assay ($Na_2SeO_3 \cdot 5H_2O$) ..... min. 99% iron (Fe) ..... max. 0,001% chloride (Cl) ..... max. 0,005% sulphate and selenate (as SO_4) ..... max. 0,005% total nitrogen (N) ..... max. 0,005% R: 23/25-33 S: 20/21-28-44 disposal: 10	WG. WG. *2848*	25 g 100 g	12,— 35,50	10,20 30,20	9,60 28,40	9,- 26,6
10108 A 6.1 C 6.1 2811 2	**Sodium selenite** for the glass industry *Sodium sélénite / Sodio selenito* Na_2SeO_3 $M = 172,94$ g/mol assay (Se) ..... 45% loss on drying (120 °C) ..... 1% R: 23/25-33 S: 20/21-28-44 disposal: 10	BL. *2848*	100 g	26,—	22,10	20,80	19,5
	Sodium sesquistyrene see IDRANAL® III						
13726	**Sodium silicate** powder *Sodium silicate / Sodio silicato* assay (Na_2O) ..... 18% silicic acid (SiO_2) ..... 63% loss on ignition (800 °C) 18%	PF. PF. S. *2845*	1 kg 5 kg 25 kg	8,50 31,75 price on request	7,25 26,35	6,80 24,75	6,5 23,8
	Sodium silicofluoride see Sodium fluorosilicate						

refer explanations

Code-Number) RID/ADR) GGVE/GGVS) IMDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
14505	**Sodium stannate** 43—44 % SnO_2 *Sodium stannate / Sodio estanato*	PF. BLT. 2847	1 kg 100 kg	51,50	43,80 price on request	41,20	39,65
14504	**Sodium stannate** 39—40 % SnO_2 *Sodium stannate / Sodio estanato*	PF. BLT. 2847	1 kg 100 kg	50,50	42,95 price on request	40,40	38,90
26421	**Sodium stearate** powder *Sodium stéarate / Sodio estearato* assay of stearic acid ..... 91 % assay of sodium ..... 7 % water (according to Karl Fischer) ..... 2 %	PF. S. 2914	1 kg 25 kg	16,75	14,25 price on request	13,40	12,90
	Sodium succinate see Succinic acid disodium salt						
31481	**Sodium sulphate** R. G. exsiccated, Reag. ACS, Reag. ISO, Reag. Ph. Eur. I *Sodium sulfate / Sodio sulfato* Na_2SO_4 $M = 142{,}04$ g/mol assay ..... min. 99 % insoluble in water ..... max. 0,01 % loss on ignition (800 °C) ..... max. 0,5 % pH (5 %, 20 °C) ..... 5,2—8,0 arsenic (As) ..... max. 0,0001 % calcium (Ca) ..... max. 0,002 % iron (Fe) ..... max. 0,0005 % potassium (K) ..... max. 0,01 % magnesium (Mg) ..... max. 0,001 % heavy metals (as Pb) ..... max. 0,0005 % chloride (Cl) ..... max. 0,001 % phosphate (PO_4) ..... max. 0,002 % total nitrogen (N) ..... max. 0,0005 %	PF. PF. PF. FTP. 2838	500 g 1 kg 5 kg 50 kg	10,75 17,75 68,— kg	9,15 15,10 56,45 7,35	8,60 14,20 53,05	8,30 13,65 51,—
13462	**Sodium sulphate** dry pure *Sodium sulfate / Sodio sulfato* Na_2SO_4 $M = 142{,}04$ g/mol assay ..... 99 % loss on drying (130 °C) ..... 0,1 % iron (Fe) ..... 0,004 % heavy metals (as Pb) ..... 0,003 % chloride (Cl) ..... 0,01 %	PF. PF. S. 2838	1 kg 5 kg 50 kg	10,25 30,—	8,70 24,90 price on request	8,20 23,40	7,90 22,50
35896	**Sodium sulphate** exsiccated PESTANAL® *Sodium sulfate / Sodio sulfato* Na_2SO_4 $M = 142{,}04$ g/mol	PF. 2838	500 g	13,75	11,70	11,—	10,60
13464	**Sodium sulphate** exsiccated chem. pure Ph. Eur. I, B. P. C. 1973, Ph. Franç. IX *Sodium sulfate / Sodio sulfato* Na_2SO_4 $M = 142{,}04$ g/mol assay ..... 99,5 % loss on drying (130 °C) ..... 1 % free acid (as H_2SO_4) ..... 0,05 % free alkali (as NaOH) ..... 0,04 % arsenic (As) ..... 0,0001 % calcium (Ca) ..... 0,01 % iron (Fe) ..... 0,001 % magnesium (Mg) ..... 0,002 % heavy metals (as Pb) ..... 0,001 % zinc (Zn) ..... 0,005 % chloride (Cl) ..... 0,005 %	PF. PF. S. 2838	1 kg 2,5 kg 50 kg	10,50 21,75	8,95 18,05 price on request	8,40 16,95	8,10 16,30

PANPEHA® universal indicator paper in strips

Code-Number
A) RID/ADR
B) GGVE/GGVS
C) IMDG-CODE (GGVSee)

		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96 (16 Bo
31449	**Sodium sulphate-10-hydrate** R. G. *Sodium sulfate-10-hydrate / Sodio sulfato-10-hidrato* $Na_2SO_4 \cdot 10H_2O$ $M = 322{,}19$ g/mol assay ..... min. 99 % insoluble in water ..... max. 0,005 % pH (5 %, 20 °C) ..... 5–8 ammonium (NH_4) ..... max. 0,0005 % arsenic (As) ..... max. 0,00005 % calcium (Ca) ..... max. 0,002 % iron (Fe) ..... max. 0,0005 % magnesium (Mg) ..... max. 0,0005 % heavy metals (as Pb) ..... max. 0,0005 % chloride (Cl) ..... max. 0,001 % nitrate (NO_3) ..... max. 0,001 % phosphate (PO_4) ..... max. 0,001 %	PF. *2838*	1 kg	12,–	10,20	9,60	9,
13571	○ **Sodium sulphate-10-hydrate** chem. pure cryst. Ph. Eur. I, B. P. 1973, Ph. Franç. IX *Sodium sulfate-10-hydrate / Sodio sulfato-10-hidrato* $Na_2SO_4 \cdot 10H_2O$ $M = 322{,}19$ g/mol loss on drying (130 °C) ..... 52–56 % free acid (as H_2SO_4) ..... 0,02 % free alkali (as NaOH) ..... 0,02 % arsenic (As) ..... 0,0001 % calcium (Ca) ..... 0,005 % iron (Fe) ..... 0,0005 % magnesium (Mg) ..... 0,001 % heavy metals (as Pb) ..... 0,0005 % zinc (Zn) ..... 0,005 % chloride (Cl) ..... 0,0005 %	PF. PF. S. S. *2838*	2,5 kg 5 kg 50 kg 5x	18,– 32,50 kg kg	14,95 27,– 1,95 1,85	14,05 25,35	13, 24,
13468 A 8/36 C 9 1849 2	**Sodium sulphide** (60–62 % Na_2S) scales *Sodium sulfure / Sodio sulfuro* $Na_2S \cdot xH_2O$ M = (anhydrous) 78,05 g/mol R: 31-34 S: 26 disposal: 9	PF. PF. S. *2835*	1 kg 5 kg 25 kg	12,50 46,– price on request	10,65 38,20	10,– 35,90	9, 34,
31495 A 8/36 C 9 1849 2	**Sodium sulphide-5-hydrate** R. G. *Sodium sulfure-5-hydrate / Sodio sulfuro-5-hidrato* $Na_2S \cdot 5H_2O$ $M = 168{,}12$ g/mol R: 31-34 S: 26 disposal: 9	WG. WG. WG. WG. *2835*	250 g 500 g 1 kg 2,5 kg	14,– 22,25 41,25 90,50	11,90 18,90 35,05 75,10	11,20 17,80 33,– 70,60	10 17, 31 67,
31454	**Sodium sulphite** R. G. dry *Sodium sulfite / Sodio sulfito* Na_2SO_3 $M = 126{,}04$ g/mol assay ..... min. 96 % insoluble in water ..... max. 0,01 % arsenic (As) ..... max. 0,0004 % calcium (Ca) ..... max. 0,01 % iron (Fe) ..... max. 0,001 % heavy metals (as Pb) ..... max. 0,001 % chloride (Cl) ..... max. 0,005 % thiosulphate (S_2O_3) ..... max. 0,02 %	PF. PF. FTP. *2837*	500 g 1 kg 50 kg	11,50 20,50 kg	9,80 17,45 9,40	9,20 16,40	8 15
13471	**Sodium sulphite** pure *Sodium sulfite / Sodio sulfito* Na_2SO_3 $M = 126{,}04$ g/mol assay ..... 95 % iron (Fe) ..... 0,001 % heavy metals (as Pb) ..... 0,002 % chloride (Cl) ..... 0,02 %	PF. PF. S. *2837*	1 kg 5 kg 50 kg	11,50 43,25 price on request	9,80 35,90	9,20 33,75	8 32
13472	**Sodium sulphite** purified *Sodium sulfite / Sodio sulfito* Na_2SO_3 $M = 126{,}04$ g/mol assay ..... 93 % iron (Fe) ..... 0,001 % chloride (Cl) ..... 0,1 %	PF. S. *2837*	5 kg 50 kg	44,50 price on request	36,95	34,70	33

refer explanations

de-Number RID/ADR GGVE/GGVS MDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
453	**Sodium sulphite-7-hydrate** R. G. *Sodium sulfite-7-hydrate / Sodio sulfito-7-hidrato* $Na_2SO_3 \cdot 7H_2O$ $M = 252{,}15$ g/mol assay ..... min 96% insoluble in water ..... max. 0,005% pH (5%, 20 °C) ..... 9,0—10,5 arsenic (As) ..... max. 0,00002% calcium (Ca) ..... max. 0,005% iron (Fe) ..... max. 0,0005% heavy metals (as Pb) ..... max. 0,001% chloride (Cl) ..... max. 0,005% thiosulphate (S_2O_3) ..... max. 0,02%	PF. PF. PF. FTP. *2837*	500 g 1 kg 2,5 kg 50 kg	11,75 20,50 43,75 kg	10,— 17,45 36,30 9,70	9,40 16,40 34,15	9,05 15,80 32,80
3470	**Sodium sulphite-7-hydrate** pure cryst. Erg. B. 6 *Sodium sulfite-7-hydrate / Sodio sulfito-7-hidrato* $Na_2SO_3 \cdot 7H_2O$ $M = 252{,}15$ g/mol assay ..... 96% iron (Fe) ..... 0,0005% heavy metals (as Pb) ..... 0,001% chloride (Cl) 0,01%	PF. PF. S. *2837*	1 kg 5 kg 50 kg	11,50 43,25	9,80 35,90 price on request	9,20 33,75	8,85 32,45
	Sodium sulphocyanide see Sodium thiocyanate						
	Sodium sulphoricinate see Turkey-red oil						
	Sodium superoxide see Sodium peroxide						
2323	**Sodium tartrate** R. G. *Sodium tartrate / Sodio tartrato* $NaOCO(CHOH)_2COONa \cdot 2H_2O$ $C_4H_4Na_2O_6 \cdot 2H_2O$ $M = 230{,}08$ g/mol assay ..... min. 99% insoluble in water ..... max. 0,005% loss on drying (150 °C) ..... 15,61—15,71% pH (5%, 20 °C) ..... 7—9 ammonium (NH_4) ..... max. 0,001% calcium (Ca) ..... max. 0,005% iron (Fe) ..... max. 0,0005% heavy metals (as Pb) ..... max. 0,0005% chloride (Cl) ..... max. 0 001% phosphate (PO_4) ..... max. 0,001% sulphate (SO_4) ..... max. 0,005%	PF. PF. PF. *2916*	100 g 250 g 1 kg	price on request price on request price on request			
5517	**Sodium tartrate** chem. pure cryst. Erg. B. 6 *Sodium tartrate / Sodio tartrato* $NaOCO(CHOH)_2COONa \cdot 2H_2O$ $C_4H_4Na_2O_6 \cdot 2H_2O$ $M = 230{,}08$ g/mol assay ..... 99% ammonium (NH_4) ..... 0,001% calcium (Ca) ..... 0,01% iron (Fe) ..... 0,001% heavy metals (as Pb) ..... 0,001% chloride (Cl) ..... 0,005% sulphate (SO_4) 0,005%	PF. S. *2916*	500 g 50 kg	price on request price on request			
	Sodium taurocholate see Taurocholic acid sodium salt						
11498	**Sodium tetraborate** anhydrous for X-ray fluorescence analysis *Sodium tétraborate / Sodio tetraborato* $Na_2B_4O_7$ $M = 201{,}22$ g/mol assay ..... min. 98,5% loss on ignition (1000 °C) ..... max. 1,5% calcium (Ca) ..... max. 0,005% iron (Fe) ..... max. 0,001% lithium (Li) ..... max. 0,001% heavy metals (as Pb) ..... max. 0,002% silicium (Si) ..... max. 0,005% chloride (Cl) ..... max. 0,001% phosphate (PO_4) ..... max. 0,002% sulphate (SO_4) ..... max. 0,005%	PF. PF. *2846*	500 g 2,5 kg	59,— 235,—	50,15 195,05	47,20 183,30	45,45 176,25

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
11648	**Sodium tetraborate** granulated dry *Sodium tétraborate / Sodio tetraborato* $Na_2B_4O_7$ $M = 201{,}22$ g/mol assay ..... 99% iron (Fe) ..... 0,005% heavy metals (as Pb) ..... 0,005% chloride (Cl) ..... 0,05% sulphate (SO_4) 0,05%	PF. PF. S. *2846*	1 kg 5 kg 50 kg	9,75 35,50 price on request	8,30 29,45	7,80 27,70	7,50 26,65
31456	**Sodium tetraborate-4-hydrate** R. G. *Sodium tétraborate-4-hydrate / Sodio tetraborato-4-hidrato* $Na_2B_4O_7 \cdot 4H_2O$ $M = 273{,}28$ g/mol assay ..... min. 99% pH (5%, 20 °C) ..... 9,2—9,5 insoluble in water ..... max. 0,01% calcium (Ca) ..... max. 0,01% iron (Fe) ..... max. 0,001% heavy metals (as Pb) ..... max. 0,001% chloride (Cl) ..... max. 0,002% phosphate (PO_4) ..... max. 0,002% sulphate (SO_4) ..... max. 0,01%	PF. PF. *2846*	250 g 1 kg	18,— 53,—	15,30 45,05	14,40 42,40	13,50 40,80
31457	**Sodium tetraborate-10-hydrate** R. G., buffer substance, Reag. ACS, Reag. Ph. Eur. I *Sodium tétraborate-10-hydrate / Sodio tetraborato-10-hidrato* $Na_2B_4O_7 \cdot 10H_2O$ $M = 381{,}37$ g/mol assay ..... min. 99% insoluble in water ..... max. 0,005% pH (5%, 20 °C) ..... 9,0—9,6 arsenic (As) ..... max. 0,0001% calcium (Ca) ..... max. 0,005% iron (Fe) ..... max. 0,0005% heavy metals (as Pb) ..... max. 0,001% chloride (Cl) ..... max. 0,001% phosphate (PO_4) ..... max. 0,001% sulphate (SO_4) ..... max. 0,005%	PF. PF. *2846*	500 g 1 kg	12,— 20,—	10,20 17,—	9,60 16,—	9,25 15,40
11624	**Sodium tetraborate-10-hydrate** pure cryst. Ph. Eur. I, B. P. 1973, Ph. Franç. IX *Sodium tétraborate-10-hydrate / Sodio tetraborato-10-hidrato* $Na_2B_4O_7 \cdot 10H_2O$ $M = 381{,}37$ g/mol assay ..... 99,5% pH (5%, 20 °C) ..... 9,0—9,6 ammonium (NH_4) ..... 0,0005% arsenic (As) ..... 0,0005% calcium (Ca) ..... 0,002% iron (Fe) ..... 0,002% heavy metals (as Pb) ..... 0,001% potassium (K) ..... 0,01% magnesium (Mg) ..... 0,001% chloride (Cl) ..... 0,005% sulphate (SO_4) 0,003%	PF. PF. S. *2846*	2,5 kg 5 kg 50 kg	21,75 39,25 price on request	18,05 32,60	16,95 30,60	16,30 29,45
11625	**Sodium tetraborate-10-hydrate** pure powder Ph. Eur. I, B. P. 1973, Ph. Franç. IX *Sodium tétraborate-10-hydrate / Sodio tetraborato-10-hidrato* $Na_2B_4O_7 \cdot 10H_2O$ $M = 381{,}37$ g/mol assay ..... 99,5% pH (5%, 20 °C) ..... 9,0—9,6 ammonium (NH_4) ..... 0,0005% arsenic (As) ..... 0,0005% iron (Fe) ..... 0,002% calcium (Ca) ..... 0,002% heavy metals (as Pb) ..... 0,001% potassium (K) ..... 0,01% magnesium (Mg) ..... 0,001% chloride (Cl) ..... 0,005% sulphate (SO_4) 0,003%	PF. PF. S. *2846*	2,5 kg 5 kg 50 kg	27,— 49,— price on request	22,40 40,65	21,05 38,20	20,25 36,75

refer explanations

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11627	**Sodium tetraborate-10-hydrate** purified powder *Sodium tétraborate-10-hydrate / Sodio tetraborato-10-hidrato* $Na_2B_4O_7 \cdot 10H_2O$ $M = 381{,}37$ g/mol assay ..... 99% arsenic (As) ..... 0,005% iron (Fe) ..... 0,003% heavy metals (as Pb) ..... 0,005% chloride (Cl) ..... 0,01% sulphate (SO_4) 0,03%	PF. S. *2846*	5 kg 50 kg	35,75 price on request	29,65	27,90	26,80
	Sodium tetraphenylborate see Kalignost®						
	Sodium tetraphenyl boron see Kalignost®						
13554	**Sodium tetrathionate** *Sodium tétrathionate / Sodio tetrationato* $Na_2S_4O_6 \cdot 2H_2O$ $M = 306{,}27$ g/mol keep in refrigerator á stocker dans le frigidaire almacenaje en la nevera	WG. *2837*	25 g	26,25	22,30	21,—	19,70
30323 C 5.1 1479 2	**Sodium tetroxoiodate(VII)** R. G., Reag. ACS, Reag. Ph. Eur. I *Sodium tétroxoiodate(VII) / Sodio tetroxoyodato(VII)* $NaJO_4$ $M = 213{,}89$ g/mol assay ..... min. 99,8% insoluble in water ..... max. 0,01% loss on drying (110 °C) ..... max. 0,2% iron (Fe) ..... max. 0,001% manganese (Mn) ..... max. 0,0001% heavy metals (as Pb) ..... max. 0,001% other halogens (as Cl) ..... max. 0,01% sulphate (SO_4) ..... max. 0,005%	WG. WG. WG. *2832*	25 g 100 g 500 g	8,75 28,— 115,—	7,45 23,80 97,75	7,— 22,40 92,—	6,55 21,— 88,55
11131 A 6.1/75 C 6.1 1549 3	**Sodium thioantimonate(V)** *Sodium thioantimonate(V) / Sodio tioantimonato(V)* $Na_3SbS_4 \cdot 9H_2O$ $M = 481{,}12$ g/mol	WG. *2847*	250 g	28,25	24,—	22,60	21,20
13478	**Sodium thiocyanate** pure *Sodium thiocyanate / Sodio tiocianato* NaSCN $M = 81{,}07$ g/mol assay (dried substance) ..... 99% loss on drying (105 °C) ..... 2% ammonium (NH_3) ..... 0,02% iron (Fe) ..... 0,0005% heavy metals (as Pb) ..... 0,001% chloride (Cl) ..... 0,01% sulphate (SO_4) ..... 0,025% sulphide (S) ..... 0,001% R: 20/21/22-32 S: 2-13 disposal: 8	PF. PF. S. *2844*	500 g 1 kg 50 kg	16,— 28,75 price on request	13,60 24,45	12,80 23,—	12,30 22,15
39170	**Sodium thioglycollate** BIOSYNTH® *Sodium thioglycolate / Sodio tioglicolato* $HSCH_2COONa$ $C_2H_3NaO_2S$ $M = 114{,}10$ g/mol assay (iodometric) 96%	WG. *2931*	100 g	48,25	41,—	38,60	36,20
13481	**Sodium thiosulphate** *Sodium thiosulfate / Sodio tiosulfato* $Na_2S_2O_3$ $M = 158{,}11$ g/mol assay (dried substance) ..... 99% loss on drying (105 °C, 2 h) ..... 1% pH (5%, 20 °C) ..... 6,0—8,5 heavy metals (as Pb) ..... 0,002% chloride (Cl) ..... 0,01% sulphate and sulphite (as SO_4) 1%	PF. S. *2837*	5 kg 50 kg	41,50 price on request	34,45	32,35	31,15

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31459	**Sodium thiosulphate-5-hydrate** R. G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I *Sodium thiosulfate-5-hydrate / Sodio tiosulfato-5-hidrato* $Na_2S_2O_3 \cdot 5H_2O$ $M = 248{,}18$ g/mol assay ..... min. 99,5 % insoluble in water ..... max. 0,005 % pH (5 %, 20 °C) ..... 6,0 – 7,5 lead (Pb) ..... max. 0,0005 % calcium (Ca) ..... max. 0,003 % iron (Fe) ..... max. 0,0005 % copper (Cu) ..... max. 0,0005 % magnesium (Mg) ..... max. 0,001 % chloride (Cl) ..... max. 0,005 % sulphate and sulphite (as SO_4) ..... 0,1 % sulphide (S) ..... 0,0001 % total nitrogen (N) ..... max. 0,002 %		PF. PF. PF. FTP. *2837*	500 g 1 kg 5 kg 50 kg	11,25 18,— 68,— kg	9,55 15,30 56,45 8,30	9,— 14,40 53,05	8,6 13,8 51,-
13479	**Sodium thiosulphate-5-hydrate** chem. pure cryst. Ph. Eur. I *Sodium thiosulfate-5-hydrate / Sodio tiosulfato-5-hidrato* $Na_2S_2O_3 \cdot 5H_2O$ $M = 248{,}18$ g/mol assay ..... 99 % calcium (Ca) ..... 0,005 % iron (Fe) ..... 0,005 % heavy metals (as Pb) ..... 0,001 % chloride (Cl) ..... 0,008 % sulphate and sulphite (as SO_4) ..... 0,2 %		PF. PF. S. S. *2837*	2,5 kg 5 kg 50 kg 5x	19,25 35,— kg kg	16,— 29,05 2,25 2,10	15,— 27,30	14,4 26,2
38243	**0,01 mol Sodium thiosulphate** FIXANAL® 2,482 g $Na_2S_2O_3 \cdot 5H_2O$ for 1 L 0,01 N solution *0,01 mol Sodium thiosulfate / 0,01 mol Sodio tiosulfato* ampoule		*3819*	1 pack	8,75	7,45	7,—	6,5
38202	$^1/_{32}$ **mol Sodium thiosulphate** FIXANAL® for determination of sulphur in iron: 1 ml ≙ 0,01 % sulphur in 5 grammes of substance; 7,756 g $Na_2S_2O_3 \cdot 5H_2O$ for 1 L $^1/_{32}$ N solution *$^1/_{32}$ mol Sodium thiosulfate / $^1/_{32}$ mol Sodio tiosulfato* ampoule		*3819*	1 pack	13,25	11,25	10,60	9,9
38200	**0,1 mol Sodium thiosulphate** FIXANAL® 24,818 g $Na_2S_2O_3 \cdot 5H_2O$ for 1 L 0,1 N solution ready-for-use solution *0,1 mol Sodium thiosulfate / 0,1 mol Sodio tiosulfato* ampoule		*3819*	1 pack	8,75	7,45	7,—	6,5
35245	**Sodium thiosulphate solution 0,1 mol/l** 0,1 N volumetric solution Ph. Eur. I *Sodium thiosulfate en solution 0,1 mol/l / Sodio tiosulfato en solución 0,1 mol/l* 1 L ≈ 1,01 kg		PF. *3819*	1 L	12,50	10,65	10,—	9,6
35244	**Sodium thiosulphate solution 1 mol/l** 1 N volumetric solution *Sodium thiosulfate en solution 1 mol/l / Sodio tiosulfato en solución 1 mol/l* 1 L ≈ 1,12 kg		PF. *3819*	1 L	17,25	14,65	13,80	13,3
	Sodium 4-toluene sulphon-chloramide see Chloramine T							
31620	**Sodium trioxobismuthate(V)** R. G. *Sodium trioxobismuthate(V) / Sodio trioxobismutato(V)* $NaBiO_3$ $M = 279{,}97$ g/mol assay ..... min. 85 % manganese (Mn) ..... max. 0,0005 % chloride (Cl) ..... max. 0,002 % nitrate (NO_3) ..... max. 0,004 % soluble peroxides (as O) ..... max. 0,008 %		WG. PF. PF. *2847*	25 g 100 g 250 g	11,— 32,50 73,—	9,35 27,65 62,05	8,80 26,— 58,40	8,2 24,4 54,7
	Sodium trioxovanadate(V) see Sodium *meta*-vanadate							

refer explanations

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1621	**Sodium tungstate-2-hydrate** R. G. *Sodium tungstate-2-hydrate / Sodio tungstato-2-hidrato* $Na_2WO_4 \cdot 2H_2O$ $M = 329,86$ g/mol assay ..... min. 99% insoluble in water ..... max. 0,005% water ..... max. 12% free alkali (as NaOH) ..... max. 0,1% molybdenum (Mo) ..... max. 0,01% heavy metals and iron (as Pb) ..... max. 0,001% chloride (Cl) ..... max. 0,003% sulphate (SO_4) ..... max. 0,01% total nitrogen (N) ..... max. 0,001%	PF. PF. PF. *2847*	100 g 250 g 500 g	22,25 46,75 84,50	18,90 39,75 71,85	17,80 37,40 67,60	16,70 35,05 65,05
4304	**Sodium tungstate-2-hydrate** pure cryst. *Sodium tungstate-2-hydrate / Sodio tungstato-2-hidrato* $Na_2WO_4 \cdot 2H_2O$ $M = 329,86$ g/mol assay ..... 99% free alkali (as NaOH) ..... 0,1% iron (Fe) ..... 0,002% molybdenum (Mo) ..... 0,01% chloride (Cl) ..... 0,01% sulphate (SO_4) 0,02%	PF. PF. *2847*	100 g 500 g	14,75 59,50	12,55 50,60	11,80 47,60	11,05 45,80
4203 6.1/74 6.1° 2	**Sodium** *meta*-**vanadate** 64—67% V_2O_5 *Sodium méta-vanadate / Sodio meta-vanadato* $NaVO_3 \cdot H_2O$ $M = 139,94$ g/mol assay ..... 99—103% pH (5%, 20 °C) ..... 8—10 iron (Fe) 0,005%	PF. PF. FTP. *2847*	100 g 1 kg 25 kg	10,75 79,50 price on request	9,15 67,60	8,60 63,60	8,05 61,20
	Sodium versenate see IDRANAL® III						
	Sörensen's buffer substances Boric acid Citric acid Glycocoll Potassium dihydrogen phosphate *di*-Sodium hydrogen phosphate						
	Solochrome black see Eriochrome black T						
6028 3/5 3.2 1142 2 15 °C	**Solution according to Günzburg** DAB 6 Solution A: Phloroglucinol solution, ethanolic *Solution d'après Günzburg / Solución según Günzburg* **1 L ≈ 0,86 kg** R: 11 S: 7-16 disposal: 6	FL. *3819*	250 ml	13,25	11,25	10,60	9,95
6029 3/5 3.2 1142 2 15 °C	**Solution according to Günzburg** DAB 6 Solution B: Vanillin solution, ethanolic *Solution d'après Günzburg / Solución según Günzburg* **1 L ≈ 0,83 kg** R: 11 S: 7-16 disposal: 6	FL. *3819*	250 ml	13,25	11,25	10,60	9,95
3742	**Sorbic acid** PROSYNTH® *Acide sorbique / Acido sórbico* $CH_3CH=CHCH=CHCOOH$ $C_6H_8O_2$ $M = 112,13$ g/mol assay (alkalimetric) ..... 99% melting range ..... 133—135 °C	PF. *2914*	250 g	15,50	13,20	12,40	11,65
	Sorbitan monooleate see Span 80						
9669	**Sorbitol** for gas chromatography *Sorbitol / Sorbita* $HOCH_2(CHOH)_4CH_2OH$ $C_6H_{14}O_6$ $M = 182,17$ g/mol working temperature ..... 100 to 150 °C	WG. *2904*	50 g	52,—	44,20	41,60	39,—

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39163	**D(-)-Sorbitol** BIOSYNTH® *D(-)-Sorbitol / D(-)-Sorbita* $HOCH_2(CHOH)_4CH_2OH$ $C_6H_{14}O_6$ $M = 182{,}17$ g/mol melting range ..... 98–100 °C specific rotation ($[\alpha]_D^{20}$; c = 10 in H_2O) .... −1,9° ±0,3°	PF. *2904*	500 g	74,50	63,35	59,60	57,3
39157	**L(-)-Sorbose** BIOSYNTH® *L(-)-Sorbose / L(-)-Sorbosa* $OCH_2(CHOH)_3C(OH)CH_2OH$ $C_6H_{12}O_6$ $M = 180{,}16$ g/mol melting range ..... 169–171 °C specific rotation ($[\alpha]_D^{20}$; c = 3 in H_2O) .... −43,5° ±1,5°	PF. *2943*	100 g	13,50	11,50	10,80	10,1
39683	**SP 1000** for gas chromatography *SP 1000 / SP 1000*	WG. *3819*	10 g	52,50	44,65	42,—	39,4
39670	**Span 80** for gas chromatography working temperature ..... 20 to 150 °C	WG. *2914*	50 g	19,25	16,35	15,40	14,4
	Special indicator papers see Indicator and reagent papers						
	SPECTRANAL® solvents for UV and IR spectroscopy, see respective article. Complete range see appendix.						
39441 A 8/35 C 8 1759 2	**Spermidine** BIOSYNTH® *Spermidine / Spermidina* $NH_2(CH_2)_3NH(CH_2)_4NH_2$ $C_7H_{19}N_3$ $M = 145{,}25$ g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	WG. *2922*	5 g	42,25	35,90	33,80	31,7
39442 A 8/35 C 8 1759 2	**Spermine** BIOSYNTH® *Spermine / Spermina* $NH_2(CH_2)_3NH(CH_2)_4NH(CH_2)_3NH_2$ $C_{10}H_{26}N_4$ $M = 202{,}34$ g/mol	WG. *2922*	5 g	40,25	34,20	32,20	30,2
36081 A 8/1C C 8 1830 2	**Splittgerber's reagent** for the determination of phosphates *Réactif de Splittgerber / Reactivo de Splittgerber* **1 L ≈ 1,24 kg** R: 35 S: 2-26-30 disposal: 1	FL. FL. *3819*	250 ml 1 L	10,50 24,—	8,95 20,40	8,40 19,20	7,9 18,5
39671	**Squalane** for gas chromatography *Squalane / Squalano* $[(CH_3)_2CH(CH_2)_3CH(CH_3)(CH_2)_3CH(CH_3)CH_2CH_2]_2$ $C_{30}H_{62}$ $M = 422{,}82$ g/mol **1 L ≈ 0,81 kg** working temperature ..... 20 to 150 °C	FL. *2901*	50 ml	25,75	21,90	20,60	19,3
63510	**Squalane** PROSYNTH® *Squalane / Squalano* $[(CH_3)_2CH(CH_2)_3CH(CH_3)(CH_2)_3CH(CH_3)CH_2CH_2]_2$ $C_{30}H_{62}$ $M = 422{,}82$ g/mol **1 L ≈ 0,81 kg** assay (GC) ..... 99% boiling range (at 2 mbar) ..... 218–220 °C refractive index (n_D^{20}) 1,452	FL. *2901*	250 ml	28,50	24,25	22,80	21,4
	Stabilizers see Photographic dyes Please ask for the relevant list.						
	Standard acetate solution pH 4,62 according to Michaelis see Buffer solutions pH 4,62						
	Standard buffer solutions see Buffer solutions						
	Standard pH buffer FIXANAL® see Buffer solutions						

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	Stannic compounds see Tin(IV) compounds						
	Stannous compounds see Tin(II) compounds						
33615	**Starch** R. G. soluble *Amidon / Almidón*	PF. PF. PF. *3505*	250 g 500 g 1 kg	16,— 24,— 44,25	13,60 20,40 37,60	12,80 19,20 35,40	12,— 18,50 34,05
33616	**Starch** R. G. soluble according to Zulkowsky *Amidon / Almidón* loss on drying (105 °C) ..... max. 10% sulphated ash ..... max. 7% pH (2%; 20 °C) ..... 6,0—7,5 substances reducing Fehling's solution (as maltose) ..... max. 0,7% sensibility ..... passes test	PF. PF. *3505*	100 g 250 g	44,25 100,50	37,60 85,45	35,40 80,40	33,20 75,40
18727	**Starch** soluble pure Erg. B. 6 *Amidon / Almidón*	PF. PF. FTP. *3505*	500 g 1 kg 25 kg	23,— 38,25 price on request	19,55 32,50	18,40 30,60	17,70 29,45
	Starch-potassium iodide paper see Indicator and reagent papers						
34117	**Starch solution** ready-for-use in saturated salt solution *Starch en solution / Almidón en solución*	FL. *3819*	100 ml	10,—	8,50	8,—	7,50
63743	**Stearamide** PROSYNTH® *Acide stéarique amide / Acido esteárico amida* $CH_3(CH_2)_{16}CONH_2$ $C_{18}H_{37}NO$ $M = 283{,}50$ g/mol assay (ex N) ..... 93% melting range ..... 101—103 °C	PF. *2925*	500 g	31,—	26,35	24,80	23,85
	Stearates see Aluminium stearate Calcium stearate Lead stearate Magnesium stearate Sodium stearate Zinc stearate						
27403	**Stearic acid** pure Erg. B. 6 *Acide stéarique / Acido esteárico* $CH_3(CH_2)_{16}COOH$ $C_{18}H_{36}O_2$ $M = 284{,}48$ g/mol melting range ..... 67—68 °C sulphated ash ..... 0,1% heavy metals (as Pb) ..... 0,002% iodine number ..... 0,5 acid number ..... 195—200 saponification number ..... 195—200 neutral fats and paraffins ..... passes test	K. K. S. S. S. *2914*	1 kg 2,5 kg 25 kg 5x 10x	14,25 29,50 kg kg kg	12,10 24,50 5,65 5,25 5,—	11,40 23,—	10,95 22,15
27405	**Stearic acid** technical powder *Acide stéarique / Acido esteárico* $CH_3(CH_2)_{16}COOH$ $C_{18}H_{36}O_2$ $M = 284{,}48$ g/mol melting range ..... 52—55 °C iodine number ..... 0,5 acid number ..... 200—215 saponification number ..... 200—220	K. K. S. *1510*	1 kg 2,5 kg 25 kg	13,— 26,75 kg	11,05 22,20 5,25	10,40 20,85	10,— 20,05
	Stearic acid amide see Stearamide						

POLYPEHA® universal and special indicator papers in strips

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
63052 A 8/22 C 8 1759 2	**Stearoyl chloride** PROSYNTH® *Stéaroyle chlorure / Estearoilo cloruro* $CH_3(CH_2)_{16}COCl$ $C_{18}H_{35}ClO$ $M = 302{,}93$ g/mol **1 L ≈ 0,90 kg** assay (ex Cl) ..... 98 % boiling range (at 20 mbar) ..... 213–215 °C refractive index (n_D^{25}) 1,451	FL. *2914*	100 ml	13,–	11,05	10,40	9,7
63053	**Stearyl alcohol** PROSYNTH® *Alcool stéarique / Alcohol estearílico* $CH_3(CH_2)_{17}OH$ $C_{18}H_{38}O$ $M = 270{,}50$ g/mol assay (GC) ..... 99 % melting range ..... 57–59 °C	PF. *2904*	1 kg	29,–	24,65	23,20	22,3
	Stein and Moore see Buffer solutions Amino-acid analysis acc. to Stein and Moore						
56023	***trans*-Stilbene** for scintillation *trans-Stilbène / trans-Estilbeno* $C_6H_5CH=CHC_6H_5$ $C_{14}H_{12}$ $M = 180{,}25$ g/mol assay (GC) ..... 98 % melting range ..... 122–125 °C	WG. *2901*	100 g	26,75	22,75	21,40	20,0
63054	***cis*-Stilbene** PROSYNTH® *cis-Stilbène / cis-Estilbeno* $C_6H_5CH=CHC_6H_5$ $C_{14}H_{12}$ $M = 180{,}25$ g/mol **1 L ≈ 1,02 kg** assay (GC) ..... 97 % boiling range (at 0,52 mbar) ..... 82–84 °C refractive index (n_D^{20}) 1,622	FL. *2901*	10 ml	76,–	64,60	60,80	57,–
18405	**Stopcock grease** *Graisse à robinet / Grasa para grifos*	BL. BL. *3403*	250 g 1 kg	11,50 27,25	9,80 23,15	9,20 21,80	8,6 21,–
10450 A 4.3/1A C 4.3•1434 2	**Strontium** lumps *Strontium / Estroncio* Sr $M = 87{,}62$ g/mol assay ..... 99 %	BL. *2805*	100 g	196,–	166,60	156,80	147,–
38613	**0,100 g Strontium** FIXANAL® water-soluble standard for atom absorption *0,100 g Strontium / 0,100 g Estroncio* ampoule	*3819*	1 pack	10,25	8,70	8,20	7,7
38576	**1,00 g Strontium** FIXANAL® watersoluble standard for atom absorption *1,00 g Strontium / 1,00 g Estroncio* ampoule	*3819*	1 pack	10,25	8,70	8,20	7,7
17903	**Strontium acetate** PURANAL® *Strontium acétate / Estroncio acetato* $Sr(CH_3COO)_2$ $C_4H_6O_4Sr$ $M = 205{,}71$ g/mol analytical data on request	PF. FTP. *2914*	2,5 kg 50 kg	price on request price on request			

refer explanations

Code-Number
A) RID/ADR
B) GGVE/GGVS
C) IMDG-CODE (GGVSee)

		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
02125	**Strontium bromide-6-hydrate** chem. pure N. F. X *Strontium bromure-6-hydrate / Estroncio bromuro-6-hidrato* $SrBr_2 \cdot 6H_2O$ $M = 355{,}52$ g/mol assay ..... 99% barium (Ba) ..... 0,02% calcium (Ca) ..... 0,8% iron (Fe) ..... 0,001% heavy metals (as Pb) ..... 0,001% bromate (BrO_3) ..... 0,001% chloride (Cl) ..... 0,5% iodide (I) 0,02%	PF. PF. S. 2830	500 g 1 kg 50 kg	27,25 50,50 price on request	23,15 42,95	21,80 40,40	21,— 38,90
13903	**Strontium carbonate** chem. pure *Strontium carbonate / Estroncio carbonato* $SrCO_3$ $M = 147{,}63$ g/mol assay ..... 99% barium (Ba) ..... 0,1% calcium (Ca) ..... 0,02% iron (Fe) ..... 0,001% heavy metals (as Pb) ..... 0,001% chloride (Cl) ..... 0,005% sulphate (SO_4) ..... 0,01% total nitrogen (N) 0,02%	PF. S. 2842	1 kg 50 kg	49,25 price on request	41,85	39,40	37,90
13904	**Strontium carbonate** white *Strontium carbonate / Estroncio carbonato* $SrCO_3$ $M = 147{,}63$ g/mol assay ..... 96% barium (Ba) ..... 1% calcium (Ca) ..... 0,3% iron (Fe) ..... 0,002% chloride (Cl) ..... 0,005% sulphate (SO_4) 0,3%	PF. PF. S. 2842	1 kg 5 kg 50 kg	17,75 66,50 price on request	15,10 55,20	14,20 51,85	13,65 49,90
11632	**Strontium chloride-6-hydrate** R. G. *Strontium chlorure-6-hydrate / Estroncio cloruro-6-hidrato* $SrCl_2 \cdot 6H_2O$ $M = 266{,}62$ g/mol assay ..... min. 99% insoluble in water ..... max. 0,005% pH (5%, 20 °C) ..... 5—7 barium (Ba) ..... max. 0,01% calcium (Ca) ..... max. 0,005% iron (Fe) ..... max. 0,0005% magnesium (Mg) ..... max. 0,0005% sodium (Na) ..... max. 0,01% heavy metals (as Pb) ..... max. 0,0005% sulphate (SO_4) ..... max. 0,005% total nitrogen (N) ..... max. 0,001%	PF. PF. 2830	250 g 1 kg	16,50 50,50	14,05 42,95	13,20 40,40	12,40 38,90
17906	**Strontium chloride-6-hydrate** PURANAL® *Strontium chlorure-6-hydrate / Estroncio cloruro-6-hidrato* $SrCl_2 \cdot 6H_2O$ $M = 266{,}62$ g/mol analytical data on request	PF. S. 2830	2,5 kg 50 kg	price on request price on request			
13909	**Strontium chloride-6-hydrate** chem. pure cryst. Erg. B. 6 *Strontium chlorure-6-hydrate / Estroncio cloruro-6-hidrato* $SrCl_2 \cdot 6H_2O$ $M = 266{,}62$ g/mol assay ..... 99% pH (5%, 20 °C) ..... 5—7 barium (Ba) ..... 0,02% calcium (Ca) ..... 0,1% iron (Fe) ..... 0,001% sodium (Na) ..... 0,1% heavy metals (as Pb) ..... 0,001% sulphate (SO_4) 0,005%	PF. PF. PF. S. 2830	500 g 1 kg 5 kg 50 kg	20,25 37,25 147,50 kg	17,20 31,65 122,45 8,40	16,20 29,80 115,05	15,60 28,70 110,65
12267	**Strontium chromate** *Strontium chromate / Estroncio cromato* $SrCrO_4$ $M = 203{,}61$ g/mol assay ..... 98% chloride (Cl) ..... 0,005% nitrate (NO_3) ..... 0,2% sulphate (SO_4) 0,5%	PF. S. 2847	1 kg 25 kg	38,75 price on request	32,95	31,—	29,85

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01155 **Strontium fluoride** pure C 6.1 2811 3 *Strontium fluorure / Estroncio fluoruro* SrF_2 $M = 125,62$ g/mol assay (ex F) ..... 97% loss on ignition (600 °C, 15 min.) ..... 2% iron (Fe) ..... 0,001% heavy metals (as Pb) ..... 0,002% sulphate (SO_4) 0,02%	PF. S. *2829*	500 g 50 kg	32,50 price on request	27,65	26,—	25,0
01220 **Strontium fluoride** for glass industry C 6.1 2811 3 *Strontium fluorure / Estroncio fluoruro* SrF_2 $M = 125,62$ g/mol	PF. FTP. *2829*	1 kg 50 kg	price on request price on request			
13913 **Strontium hydroxide-8-hydrate** pure *Strontium hydroxyde-8-hydrate / Estroncio hidróxido-8-hidrato* $Sr(OH)_2 \cdot 8H_2O$ $M = 265,71$ g/mol assay ..... 98% assay of $SrCO_3$ ..... 2% barium (Ba) ..... 0,1% calcium (Ca) ..... 0,05% iron (Fe) ..... 0,0005% magnesium (Mg) ..... 0,002% sodium (Na) ..... 0,2% heavy metals (as Pb) ..... 0,0005% chloride (Cl) ..... 0,001% total nitrogen (N) 0,02%	PF. PF. S. *2818*	500 g 1 kg 50 kg	13,75 24,75 price on request	11,70 21,05	11,— 19,80	10,6 19,0
13934 **Strontium hydroxide-8-hydrate** cryst. 98% *Strontium hydroxyde-8-hydrate / Estroncio hidróxido-8-hidrato* $Sr(OH)_2$ $M = 121,63$ g/mol	PF. *2818*	1 kg	price on request			
31633 **Strontium nitrate** R. G., Reag. ACS C 5.1 1507 3 *Strontium nitrate / Estroncio nitrato* $Sr(NO_3)_2$ $M = 211,63$ g/mol assay ..... min. 99% insoluble in water ..... max. 0,005% loss on drying (105 °C) ..... max. 0,1% pH (5%, 20 °C) ..... 5—7 ammonium (NH_4) ..... max. 0,005% barium (Ba) ..... max. 0,01% calcium (Ca) ..... max. 0,005% iron (Fe) ..... max. 0,0005% magnesium (Mg) ..... max. 0,002% sodium (Na) ..... max. 0,02% heavy metals (as Pb) ..... max. 0,0005% chloride (Cl) ..... max. 0,001% sulphate (SO_4) ..... max. 0,005%	PF. PF. *2839*	250 g 1 kg	18,75 62,—	15,95 52,70	15,— 49,60	14,(47,7
17813 **Strontium nitrate** PURANAL® C 5.1 1507 3 *Strontium nitrate / Estroncio nitrato* $Sr(NO_3)_2$ $M = 211,63$ g/mol analytical data on request	PF. FTP. *2839*	5 kg 50 kg	price on request price on request			
13914 **Strontium nitrate** chem. pure C 5.1 1507 3 *Strontium nitrate / Estroncio nitrato* $Sr(NO_3)_2$ $M = 211,63$ g/mol assay ..... 99% loss on drying (105 °C) ..... 0,5% pH (5%, 20 °C) ..... 5—7 calcium (Ca) ..... 0,02% iron (Fe) ..... 0,0005% magnesium (Mg) ..... 0,002% sodium (Na) ..... 0,1% heavy metals (as Pb) ..... 0,001% chloride (Cl) 0,001%	PF. PF. FTP. *2839*	250 g 1 kg 100 kg	14,— 37,25 price on request	11,90 31,65	11,20 29,80	10, 28,

refer explanations

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13915 A 5.1 1507 3	**Strontium nitrate** pure *Strontium nitrate / Estroncio nitrato* $Sr(NO_3)_2$ $M = 211{,}63$ g/mol assay ..... 98% loss on drying (105 °C) ..... 1% calcium (Ca) ..... 0,2% iron (Fe) ..... 0,001% magnesium (Mg) ..... 0,05% sodium (Na) ..... 0,1% heavy metals (as Pb) ..... 0,001% chloride (Cl) 0,005%	PF. PF. S. 2839	1 kg 5 kg 50 kg	32,75 125,50 price on request	27,85 104,15	26,20 97,90	25,20 94,15
13919 A 5.1/9B C 5.1 1509 2	**Strontium peroxide** min. 85% SrO_2 *Strontium peroxyde / Estroncio peróxido* SrO_2 $M = 119{,}62$ g/mol R: 9 S: 24/25-27 disposal: 16	BLT. 2818	60 kg	price on request			
13920	**Strontium sulphate** precipitated white *Strontium sulfate / Estroncio sulfato* $SrSO_4$ $M = 183{,}68$ g/mol assay ..... 98% loss on ignition ..... 0,8% alkalis (as sulphates) ..... 0,5% iron (Fe) ..... 0,003% chloride (Cl) 0,005%	PF. PF. S. 2838	1 kg 5 kg 50 kg	24,75 92,50 price on request	21,05 76,80	19,80 72,15	19,05 69,40
13923	**Strontium sulphide** 60% SrS, pure fine powder *Strontium sulfure / Estroncio sulfuro* R: 20/22-31 S: 28 disposal: 9	PF. PF. BLT. 2835	500 g 1 kg 50 kg	28,75 52,50 price on request	24,45 44,65	23,— 42,—	22,15 40,45
53055 A 3/3 C 3.3 2055 2 +31 °C	**Styrene** PROSYNTH® stabilized with 4-*tert.*-butylpyrocatechol (10 mg/l) *Styrène / Estireno* $C_6H_5CH=CH_2$ C_8H_8 $M = 104{,}15$ g/mol **1 L ≈ 0,91 kg** assay (GC) ..... 99% boiling range ..... 144—146 °C refractive index (n_D^{20}) ..... 1,546 keep cool à stocker au frais consérvese frio R: 10-36/37 disposal: 6	FL. 2901	1 L	13,75	11,70	11,—	10,60
	Styrene oxide see Phenylethylene oxide						
	Suberan see Cycloheptane						
53933	**Suberic acid** PROSYNTH® *Acide subérique / Acido subérico* $HOCO(CH_2)_6COOH$ $C_8H_{14}O_4$ $M = 174{,}20$ g/mol assay (alkalimetric) ..... 99% melting range ..... 140—142 °C	WG. 2915	100 g	12,75	10,85	10,20	9,55
52719 A 6.1/21 C 6.1 1935 1	**Suberodinitrile** PROSYNTH® *Subérodinitrile / Suberodinitrilo* $NC(CH_2)_6CN$ $C_8H_{12}N_2$ $M = 136{,}20$ g/mol **1 L ≈ 0,94 kg** assay (GC) ..... 98% boiling range (at 13 mbar) ..... 173—175 °C refractive index (n_D^{20}) 1,443	FL. 2927	50 ml	23,50	20,—	18,80	17,65

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63746	**Succinamide** PROSYNTH® *Amide succinique / Succinamida* $NH_2COCH_2CH_2CONH_2$ $C_4H_8N_2O_2$ $M = 116{,}12$ g/mol assay ..... 98% melting range ..... 260–262 °C	PF. *2925*	100 g	32,75	27,85	26,20	24,5
33057	**Succinic acid** R. G. *Acide succinique / Acido succínico* $HOOCCH_2CH_2COOH$ $C_4H_6O_4$ $M = 118{,}09$ g/mol assay ..... min. 99,5% melting range ..... 184–186 °C water (according to Karl Fischer) ..... max. 0,5% sulphated ash ..... max. 0,02% ammonium (NH_4) ..... max. 0,001% iron (Fe) ..... max. 0,0005% heavy metals (as Pb) ..... max. 0,0005% chloride (Cl) ..... max. 0,0005% sulphate (SO_4) ..... max. 0,005%	WG. *2915*	250 g	17,50	14,90	14,—	13,1
27616	**Succinic acid** pure cryst. Erg. B. 6 *Acide succinique / Acido succínico* $HOOC(CH_2)_2COOH$ $C_4H_6O_4$ $M = 118{,}09$ g/mol assay ..... 99% melting range ..... 184–186 °C sulphated ash ..... 0,05% iron (Fe) ..... 0,002% heavy metals (as Pb) ..... 0,002% chloride (Cl) ..... 0,002% sulphate (SO_4) 0,01%	PF. PF. S. *2915*	250 g 1 kg 50 kg	12,75 32,75	10,85 27,85 price on request	10,20 26,20	9,5 25,2
62146	**Succinic acid disodium salt hexahydrate** PROSYNTH® *Acide succinique sel disodique hexahydrate / Acido succínico sal disódica hexahidrato* $NaOOCCH_2CH_2COONa \cdot 6H_2O$ $C_4H_4Na_2O_4 \cdot 6H_2O$ $M = 270{,}14$ g/mol assay 99%	PF. *2915*	250 g	15,75	13,40	12,60	11,8
35897	**Succinic acid mono-(2,2-dimethylhydrazide)** min. 99% PESTANAL® $HOOCCH_2CH_2CONHN(CH_3)_2$ $C_6H_{12}N_2O_3$ $M = 160{,}17$ g/mol	FL. *2929*	1 g	16,25	13,80	13,—	12,2
39301	**Succinic anhydride** BIOSYNTH® *Anhydride succinique / Anhídrido succínico* $OCOCH_2CH_2CO$ $C_4H_4O_3$ $M = 100{,}07$ g/mol R: 36/37 S: 25 disposal: 21	PF. PF. *2915*	250 g 1 kg	14,— 36,25	11,90 30,80	11,20 29,—	10,5 27,9
27619	**Succinic anhydride** *Anhydride succinique / Anhídrido succínico* $OCOCH_2CH_2CO$ $C_4H_4O_3$ $M = 100{,}07$ g/mol assay ..... 99% melting range (ex dried substance) ..... 118–120 °C sulphated ash ..... 0,1% R: 36/37 S: 25 disposal: 21	PF. PF. S. *2915*	500 g 1 kg 50 kg	19,75 36,—	16,80 30,60 price on request	15,80 28,80	15,2 27,7
60274	**Succinimide** PROSYNTH® *Succinimide / Succinimida* $COCH_2CH_2CONH$ $C_4H_5NO_2$ $M = 99{,}09$ g/mol assay ..... 99% melting range ..... 123–125 °C	PF. PF. *2926*	250 g 1 kg	24,— 74,50	20,40 63,35	19,20 59,60	18, 57,3

refer explanations

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62147 A 6.1/21 C 6.1 2811 2	**Succinodinitrile** PROSYNTH® *Dinitrile succinique / Succinodinitrilo* $NCCH_2CH_2CN$ $C_4H_4N_2$ $M = 80{,}09$ g/mol assay (GC) ..... 99% melting range ..... 54–56 °C R: 23/24/25 S: 44 disposal: 15	WG. *2927*	100 g	27,25	23,15	21,80	20,45
64308 A 8/22 C 8 1760 2	**Succinyl dichloride** PROSYNTH® *Succinyle dichlorure / Acido succínico dicloruro* $ClCOCH_2CH_2COCl$ $C_4H_4Cl_2O_2$ $M = 154{,}98$ g/mol **1 L ≈ 1,37 kg** assay (ex Cl) ..... 98% boiling range ..... 191–193 °C refractive index (n_D^{20}) 1,467	FL. *2915*	50 ml	37,75	32,10	30,20	28,30
	Succinyl oxide see Succinic anhydride						
	Sucrose see D(+)-Saccharose						
32704	**Sudan® blue II** for microscopy *Sudan® bleu II / Sudan® azul II*	WG. *3205*	25 g	11,25	9,55	9,–	8,45
32669	**Sudan® red 7 B** for microscopy *Sudan® rouge 7 B / Sudan® rojo 7 B*	WG. *3205*	25 g	10,75	9,15	8,60	8,05
32765	**Sudan (III)** R. G., Reag. Ph. Eur. I (C. I. No. 26100) *Sudan (III) / Sudan (III)* $C_6H_5N{=}NC_6H_4N{=}NC_{10}H_6OH$ $C_{22}H_{16}N_4O$ $M = 352{,}39$ g/mol	WG. WG. *3205*	25 g 100 g	18,75 63,–	15,95 53,55	15,– 50,40	14,05 47,25
	Sulfolane see Tetramethylene sulphone						
	Sulphacetamide see Thioacetamide						
07401	**Sulphamic acid** *Acide amidosulfurique / Acido amidosulfúrico* NH_2SO_3H $M = 97{,}09$ g/mol assay ..... 99,5% residue on ignition ..... 0,02% iron (Fe) ..... 0,0005% heavy metals (as Pb) ..... 0,001% chloride (Cl) ..... 0,001% sulphate (SO_4) ..... 0,05% R: 36/38 S: 2-26-28 disposal: 1	PF. PF. S. FTP. *2813*	1 kg 2,5 kg 25 kg 25 kg	14,– 29,– price on request price on request	11,90 24,05	11,20 22,60	10,80 21,75
	Sulphamic acid, ammonium salt see Ammonium sulphamidate						
	Sulphamic acid, nickel combination see Nickel sulphamate solution						
	Sulphanilic acid sol. see Ehrlich's diazo reagent, solution						
33618	**Sulphanilic acid** R. G., Reag. Ph. Eur. I *Acide sulfanilique / Acido sulfanílico* $C_6H_4(NH_2)(SO_3H)$ $C_6H_7NO_3S$ $M = 173{,}19$ g/mol assay ..... min. 99% sulphated ash ..... max. 0,01% insoluble in soda lye ..... max. 0,01% heavy metals (as Pb) ..... max. 0,001% chloride (Cl) ..... max. 0,002% nitrite (NO_2) ..... max. 0,00005% sulphate (SO_4) ..... max. 0,005% R: 20/21/22 S: 25-28 disposal: 21	PF. PF. *2922*	100 g 250 g	19,75 44,75	16,80 38,05	15,80 35,80	14,80 33,55

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27807	**Sulphanilic acid** chem. pure *Acide sulfanilique / Acido sulfanílico* $C_6H_4(NH_2)(SO_3H)$ $C_6H_7NO_3S$ $M = 173,19$ g/mol assay ..... 99% sulphated ash ..... 0,02% heavy metals (as Pb) ..... 0,002% chloride (Cl) ..... 0,002% sulphate (SO_4) ..... 0,01% R: 20/21/22 S: 25-28 disposal: 21	PF. *2922*	500 g	35,—	29,75	28,—	26,9
	Sulphanilic acid solution see Ehrlich's diazo reagent, solution B						
38935 A 8/1C C 8 1830 2	**10,00 g Sulphate** FIXANAL® as Sulphuric acid *10,00 g Sulfate / 10,00 g Sulfato* ampoule R: 36/38 S: 2-26 disposal: 1	*3819*	1 pack	18,75	15,95	15,—	14,0
	Sulphobromphthaleine sodium see Bromosulphaleine						
	Sulphocarbamide see Thiourea						
	Sulphocarbanilide see Diphenylthiourea						
	Sulpholabic see Dibenzyl disulphide						
	Sulpholane see Tetramethylene sulphone						
63056	**3-Sulpholene** PROSYNTH® *3-Sulfolène / 3-Sulfoleno* $CH_2CH=CHCH_2SO_2$ $C_4H_6O_2S$ $M = 118,16$ g/mol assay (ex S) ..... 98% melting range ..... 64—66 °C	PF. *2935*	250 g	37,75	32,10	30,20	28,3
	Sulphomolybdic acid solution see Splittgerber's reagent						
	Sulphongalleine see Pyrogallol red						
	Sulphopress see Dibenzyl disulphide						
33619	**5-Sulphosalicylic acid dihydrate** R. G. and for metal titration, Reag. ACS *Acide 5-sulfosalicylique dihydrate / Acido 5-sulfosalicílico dihidrato* $C_6H_3(COOH)(OH)(SO_3H) \cdot 2H_2O$ $C_7H_6O_6S \cdot 2H_2O$ $M = 254,22$ g/mol assay (acidimetric, on anhydrous substance) min. 99% melting range ..... 108—109 °C sulphated ash ..... max. 0,1% insoluble in water ..... max. 0,005% water (according to Karl Fischer) ..... max. 15% free salicylic acid ..... max. 0,02% iron (Fe) ..... max. 0,001% heavy metals (as Pb) ..... max. 0,001% chloride (Cl) ..... max. 0,001% sulphate (SO_4) ..... max. 0,02%	PF. PF. PF. *2916*	100 g 250 g 1 kg	13,75 25,75 83,—	11,70 21,90 70,55	11,— 20,60 66,40	10, 19, 63,
27308	**5-Sulphosalicylic acid dihydrate** Erg. B. 6 *Acide 5-sulfosalicylique dihydrate / Acido 5-sulfosalicílico dihidrato* $C_6H_3(COOH)(OH)(SO_3H) \cdot 2H_2O$ $C_7H_6O_6S \cdot 2H_2O$ $M = 254,22$ g/mol assay (acidimetric, on anhydrous substance) ..... 99% melting range ..... 108—112 °C water (according to Karl Fischer) ..... 13,5—15,0% sulphated ash ..... 0,1% free salicylic acid ..... 0,2% iron (Fe) ..... 0,002% heavy metals (as Pb) ..... 0,002% chloride (Cl) 0,002%	PF. PF. *2916*	500 g 1 kg	33,75 61,50	28,70 52,30	27,— 49,20	26, 47,

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	Sulphourea see Thiourea						
13802 A 4.1/2A C 4.1 1350 3	**Sulphur** chem. pure cryst. *Soufre / Azufre* S *M* = 32,07 g/mol melting range ..... 118–120 °C residue on ignition ..... 0,05 % arsenic and selenium (as As) ..... 0,0002 % chloride (Cl) ..... 0,005 % sulphate (SO_4) ..... 0,01 %	PF. PF. PF. *2503*	100 g 500 g 1 kg	10,50 43,– 78,50	8,95 36,55 66,75	8,40 34,40 62,80	7,90 33,10 60,45
13803 A 4.1/2A C 4.1 1350 3	**Sulphur** purified DAB 8, Reag. Ph. Eur. I *Soufre / Azufre* S *M* = 32,07 g/mol assay ..... 99,5 % melting range ..... 118–120 °C residue on ignition ..... 0,1 % free acid (as H_2SO_4) ..... 0,01 % free alkali (as NaOH) ..... 0,005 % arsenic and selenium (as As) ..... 0,0002 % chloride (Cl) ..... 0,005 % sulphate (SO_4) ..... 0,005 % sulphide (S) ..... passes test	PF. PF. S. S. *2802*	1 kg 5 kg 50 kg 5x	8,50 25,50 kg kg	7,25 21,15 2,50 2,35	6,80 19,90	6,55 19,15
13825 A 4.1/2A C 4.1 1350 3	**Sulphur** colloidal powder 80 % S *Soufre / Azufre*	PF. S. *2802*	1 kg 25 kg	9,50 price on request	8,10	7,60	7,30
13824	**Sulphur** colloidal liquid 50 % S, for Latex *Soufre / Azufre* **1 L ≈ 1,37 kg**	PF. FPF. *2802*	1 L 40 kg	10,– price on request	8,50	8,–	7,70
13806 A 8/11A C 8 1828 1	**Sulphur chloride** *Soufre monochlorure / Azufre monocloruro* S_2Cl_2 *M* = 135,04 g/mol **1 L ≈ 1,68 kg** assay ..... 99 % R: 14-34-37 S: 26 disposal: 11	FL. TS. *2814*	1 L 40 kg	21,75 price on request	18,50	17,40	16,75
34622 C 8 1833 2	**Sulphur dioxide** watery solution 5–6 % SO_2 R. G. *Soufre dioxyde / Azufre dióxido* SO_2 *M* = 64,06 g/mol **1 L ≈ 1,03 kg** assay ..... min. 5 % residue on ignition ..... max. 0,002 % arsenic (As) ..... max. 0,00005 % iron (Fe) ..... max. 0,0001 % heavy metals (as Pb) ..... max. 0,0001 % chloride (Cl) ..... max. 0,0005 %	FL. FL. *2813*	1 L 2,5 L	8,25 13,25	7,– 11,–	6,60 10,35	6,35 9,95
	Sulphur, flower see Sulphur purified						
30736 A 8/1A C 8 1831 1	**Sulphuric acid** fuming, with about 20 % SO_3, R. G., Reag. ACS *Acide sulfurique / Acido sulfúrico* **1 L ≈ 1,90 kg** residue on ignition ..... max. 0,001 % ammonium (NH_4) ..... max. 0,0002 % arsenic (As) ..... max. 0,00001 % iron (Fe) ..... max. 0,0002 % heavy metals (as Pb) ..... max. 0,0005 % chloride (Cl) ..... max. 0,0005 % nitrate (NO_3) ..... max. 0,0001 % R: 14-35-37 S: 26-30 disposal: 11	FL. FL. *2808*	500 ml 2,5 L	50,50 211,–	42,95 175,15	40,40 164,60	38,90 158,25

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30743 A 8/1A C 8 1830 2	**Sulphuric acid** 95–97%, R. G., Reag ISO, Reag. Ph. Eur. I *Acide sulfurique / Acido sulfúrico* H_2SO_4 M = 98,08 g/mol **1 L ≈ 1,84 kg** assay ..... 95–97% residue on ignition ..... max. 0,0005% ammonium (NH_4) ..... max. 0,0002% arsenic (As) ..... max. 0,000001% lead (Pb) ..... max. 0,00001% cadmium (Cd) ..... max. 0,00001% iron (Fe) ..... max. 0,00002% copper (Cu) ..... max. 0,00001% heavy metals (as Pb) ..... max. 0,0001% zinc (Zn) ..... max. 0,00001% chloride (Cl) ..... max. 0,00002% nitrate (NO_3) ..... max. 0,00002% matter reducing $KMnO_4$ (as O) ..... max. 0,0002% R: 35 S: 2-26-30 disposal: 11	FL. FL. FPF. FPF. FPF. *2808*	1 L 2,5 L 50 kg 5x 10x	17,25 36,– kg kg kg	14,65 29,90 3,50 3,35 3,20	13,45 28,10	12,7 27,–
30741 A 8/1A C 8 1830 2	**Sulphuric acid** 95–97%, R. G., for determination of mercury Reag ISO, Reag. Ph. Eur. I *Acide sulfurique / Acido sulfúrico* H_2SO_4 M = 98,08 g/mol **1 L ≈ 1,84 kg** assay ..... 95–97% residue on ignition ..... max. 0,0005% ammonium (NH_4) ..... max. 0,0002% arsenic (As) ..... max. 0,000001% lead (Pb) ..... max. 0,00001% cadmium (Cd) ..... max. 0,00001% iron (Fe) ..... max. 0,00002% copper (Cu) ..... max. 0,00001% mercury (Hg) ..... max. 0,0000005% zinc (Zn) ..... max. 0,00001% chloride (Cl) ..... max. 0,00002% nitrate (NO_3) ..... max. 0,00002% matters reducing $KMnO_4$ (as O) ..... max. 0,0002% R: 35 S: 2-26-30 disposal: 11	FL. *2808*	2,5 L	51,–	42,35	39,80	38,2

refer explanations

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17935 A 8/1A C 8 1831 1	**Sulphuric acid** 95–97 % **MOS** PURANAL® particle class 1 *Acide sulfurique / Acido sulfúrico*	FL. *2808*	2,5 L	price on request			

H_2SO_4 *M* = 98,08 g/mol **1 L ≈ 1,84 kg**

assay	95-97 %
residue on ignition (as sulphates)	max. 5 ppm
aluminium (Al)	max. 0,05 ppm
ammonium (NH_4)	max. 2 ppm
antimony (Sb)	max. 0,01 ppm
arsenic (As)	max. 0,01 ppm
barium (Ba)	max. 0,1 ppm
beryllium (Be)	max. 0,01 ppm
lead (Pb)	max. 0,02 ppm
boron (B)	max. 0,02 ppm
cadmium (Cd)	max. 0,01 ppm
calcium (Ca)	max. 0,2 ppm
chromium (Cr)	max. 0,01 ppm
iron (Fe)	max. 0,1 ppm
gallium (Ga)	max. 0,02 ppm
gold (Au)	max. 0,02 ppm
indium (In)	max. 0,02 ppm
potassium (K)	max. 0,1 ppm
cobalt (Co)	max. 0,01 ppm
copper (Cu)	max. 0,01 ppm
lithium (Li)	max. 0,02 ppm
magnesium (Mg)	max. 0,1 ppm
manganese (Mn)	max. 0,01 ppm
molybdenum (Mo)	max. 0,01 ppm
sodium (Na)	max. 0,2 ppm
nickel (Ni)	max. 0,01 ppm
platinum (Pt)	max. 0,02 ppm
silver (Ag)	max. 0,02 ppm
strontium (Sr)	max. 0,02 ppm
thallium (Tl)	max. 0,02 ppm
titanium (Ti)	max. 0,01 ppm
vanadium (V)	max. 0,01 ppm
bismuth (Bi)	max. 0,02 ppm
zinc (Zn)	max. 0,05 ppm
tin (Sn)	max. 0,02 ppm
zirconium (Zr)	max. 0,01 ppm
chloride (Cl)	max. 0,1 ppm
nitrate (NO_3)	max. 0,2 ppm
phosphate (PO_4)	max. 0,5 ppm
matters reducing $KMnO_4$ (as O)	max. 2 ppm

R: 35 S: 2-26-30
disposal: 11

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	9((16 Bo
17831 A 8/1A C 8 1830 2	**Sulphuric acid** 95–97%, PURANAL® *Acide sulfurique / Acido sulfurico* H_2SO_4 M = 98,08 g/mol — 1 L ≈ 1,84 kg assay 95–97% residue on ignition (as sulphates) max. 5 ppm aluminium (Al) max. 0,05 ppm ammonium (NH_4) max. 2 ppm antimony (Sb) max. 0,01 ppm arsenic (As) max. 0,01 ppm barium (Ba) max. 0,1 ppm beryllium (Be) max. 0,01 ppm lead (Pb) max. 0,02 ppm boron (B) max. 0,02 ppm cadmium (Cd) max. 0,01 ppm calcium (Ca) max. 0,2 ppm chromium (Cr) max. 0,01 ppm gallium (Ga) max. 0,02 ppm iron (Fe) max. 0,1 ppm gold (Au) max. 0,02 ppm indium (In) max. 0,02 ppm potassium (K) max. 0,1 ppm cobalt (Co) max. 0,01 ppm copper (Cu) max. 0,01 ppm lithium (Li) max. 0,02 ppm magnesium (Mg) max. 0,1 ppm manganese (Mn) max. 0,01 ppm molybdenum (Mo) max. 0,01 ppm sodium (Na) max. 0,2 ppm nickel (Ni) max. 0,01 ppm platinum (Pt) max. 0,02 ppm silver (Ag) max. 0,02 ppm strontium (Sr) max. 0,02 ppm thallium (Tl) max. 0,02 ppm titanium (Ti) max. 0,01 ppm vanadium (V) max. 0,01 ppm bismuth (Bi) max. 0,02 ppm zinc (Zn) max. 0,05 ppm tin (Sn) max. 0,02 ppm zirconium (Zr) max. 0,01 ppm chloride (Cl) max. 0,1 ppm nitrate (NO_3) max. 0,2 ppm $KMnO_4$ red. matter (as O) max. 2 ppm R: 35 S: 2-26-30 disposal: 11	FL. FPF. F. *2808*	2,5 L 50 kg 180 kg	price on request price on request			
07208 A 8/1A C 8 1830 2	**Sulphuric acid** 95–97%, chem. pure *Acide sulfurique / Acido sulfúrico* H_2SO_4 M = 98,08 g/mol — 1 L ≈ 1,84 kg assay 95–97% residue on ignition 0,001% arsenic (As) 0,000005% iron (Fe) 0,0002% heavy metals (as Pb) 0,0005% chloride (Cl) 0,0001% nitrate (NO_3) 0,0001% matter reducing $KMnO_4$ (as O) 0,0002% R: 35 S: 2-26-30 disposal: 11	FL. FL. PK. FPF. FPF. FPF. FPF. FPF. *2808*	1 L 2,5 L 5 L 50 kg 5x 10x 20x 50x	15,75 32,75 59,— kg kg kg kg kg	13,40 27,20 48,95 3,20 3,— 2,85 2,70 2,65	12,60 25,55 46,—	12 24 44
30771 A 8/1A C 8 1830 2	**Sulphuric acid** 90–91%, for fat determination according to Gerber and determination of nitrates in milk *Acide sulfurique / Acido sulfúrico* H_2SO_4 M = 98,08 g/mol — 1 L ≈ 1,82 kg assay 90–91% density (D_{15}^{15}) 1,820–1,825 nitrate (NO_3) max. 0,00002% test for oily and fatty substances passes test R: 35 S: 2-26-30 disposal: 11	FL. FL. *2808*	500 ml 2,5 L	11,75 35,75	10,— 29,65	9,40 27,90	9 26

refer explanations

de-Number ID/ADR GVE/GGVS MDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
728 1C 1830 2	**Sulphuric acid** 40%, according to Knipping, for the determination of the metabolism of gas *Acide sulfurique / Acido sulfúrico* H_2SO_4 *M* = 98,08 g/mol **1 L ≈ 1,30 kg** R: 35 S: 2-26-30 disposal: 1	FL. FL. *2808*	1 L 2,5 L	16,— 32,50	13,60 27,—	12,80 25,35	12,30 24,40
740 /1A 1831 1	**Sulphuric acid** chem. pure, with about 15% phosphorus pentoxide, R. G., for the determination of nitrogen according to Kjeldahl *Acide sulfurique / Acido sulfúrico* **1 L ≈ 1,86 kg** assay of P_2O_5 ..... ca. 15% assay of SO_3 ..... ca. 65% total nitrogen (N) ..... max. 0,01% R: 35 S: 2-26-30 disposal: 11	FL. *2808*	1 L	84,—	71,40	67,20	64,70
9727 3/1C 3 1830 2	**Sulphuric acid** on carrier for desiccators *Acide sulfurique / Acido sulfúrico* **1 L ≈ 0,33 kg** R: 35 S: 2-26-30 disposal: 1	WG. *3819*	1 L	15,—	12,75	12,—	11,55
3308	**0,005 mol Sulphuric acid** FIXANAL® 0,4904 g H_2SO_4 for 1 L 0,01 N solution *0,005 mol Acide sulfurique / 0,005 mol Acido sulfúrico* ampoule	*3819*	1 pack	8,75	7,45	7,—	6,55
3306	**$^1/_{56}$ mol Sulphuric acid** FIXANAL® 1,751 g H_2SO_4 for 1 L $^1/_{28}$ N solution *$^1/_{56}$ mol Acide sulfurique / $^1/_{56}$ mol Acido sulfúrico* ampoule R: 36/38 S: 2-26 disposal: 1	*3819*	1 pack	16,25	13,80	13,—	12,20
3299 8/1C 8 1830 2	**$^1/_{13,49}$ mol Sulphuric acid** FIXANAL® for determination of phosphorus in iron (1 ml ≙ 0,01% phosphorus in 2 grammes of substance) 7,270 g for 1 Liter $^1/_{6,745}$ solution; for iron-works laboratories *$^1/_{13,49}$ mol Acide sulfurique / $^1/_{13,49}$ mol Acido sulfúrico* ampoule	*3819*	1 pack	11,50	9,80	9,20	8,65
8290 8/1C 8 1830 2	**0,05 mol Sulphuric acid** FIXANAL® 4,904 g H_2SO_4 for 1 L 0,1 N solution *0,05 mol Acide sulfurique / 0,05 mol Acido sulfúrico* ampoule R: 36/38 S: 2-26 disposal: 1	*3819*	1 pack	8,75	7,45	7,—	6,55
8295 8/1C 8 1830 2	**0,25 mol Sulphuric acid** FIXANAL® 24,519 g H_2SO_4 for 1 L 0,5 N solution *0,25 mol Acide sulfurique / 0,25 mol Acido sulfúrico* ampoule R: 35 S: 2-26-30 disposal: 1	*3819*	1 pack	10,25	8,70	8,20	7,70
8294 8/1C 8 1830 2	**0,5 mol Sulphuric acid** FIXANAL® 49,039 g H_2SO_4 for 1 L 1 N solution *0,5 mol Acide sulfurique / 0,5 mol Acido sulfúrico* ampoule R: 35 S: 2-26-30 disposal: 1	*3819*	1 pack	11,25	9,55	9,—	8,45

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38291 A 8/1C C 8 1830 2	**1,0 mol Sulphuric acid** FIXANAL® 98,078 g H_2SO_4 ≙ 2 equivalents *1,0 mol Acide sulfurique / 1,0 mol Acido sulfúrico* R: 35 S: 2-26-30 disposal: 1	bottle *3819*	1 pack	19,50	16,60	15,60	14,6
38292 A 8/1C C 8 1830 2	**5 mol Sulphuric acid** FIXANAL® 490,39 g H_2SO_4 ≙ 10 equivalente *5 mol Acide sulfurique / 5 mol Acido sulfúrico* R: 35 S: 2-26-30 disposal: 1	bottle *3819*	1 pack	43,—	36,55	34,40	32,2
35358	**Sulphuric acid 0,05 mol/l** 0,1 N volumetric solution Ph. Eur. I *Acide sulfurique 0,05 mol/l / Acido sulfúrico 0,05 mol/l* **1 L ≈ 1,01 kg**	PF. PK. *3819*	1 L 5 L	12,— 46,25	10,20 38,40	9,60 36,10	9,2 34,7
35357	**Sulphuric acid 0,1 mol/l** 0,2 N volumetric solution Ph. Eur. I *Acide sulfurique 0,1 mol/l / Acido sulfúrico 0,1 mol/l* **1 L ≈ 1,01 kg**	PF. *3819*	1 L	12,—	10,20	9,60	9,2
35355	**Sulphuric acid 0,25 mol/l** 0,5 N volumetric solution Ph. Eur. I *Acide sulfurique 0,25 mol/l / Acido sulfúrico 0,25 mol/l* **1 L ≈ 1,02 kg**	PF. PK. *3819*	1 L 5 L	12,— 46,25	10,20 38,40	9,60 36,10	9,2 34,7
35354	**Sulphuric acid 0,5 mol/l** 1 N volumetric solution Ph. Eur. I *Acide sulfurique 0,5 mol/l / Acido sulfúrico 0,5 mol/l* **1 L ≈ 1,03 kg**	PF. PK. *3819*	1 L 5 L	12,— 46,25	10,20 38,40	9,60 36,10	9,2 34,7
09022 A 8/1A C 8 1831 1	**Sulphuric acid-d_2** deuteration degree not less than 99 atom % D *Acide sulfurique-d_2 / Acido sulfúrico-d_2* D_2SO_4 M = 100,06 g/mol **1 L ≈ 1,86 kg** R: 35 S: 2-26-30 disposal: 11	FL. *2851*	25 ml	59,—	50,15	47,20	44,2
	Sulphur monochloride see Sulphur chloride						
	Sulphurous acid water solution see Sulphur dioxide						
	Sulphurous anhydride see Sulphur dioxide						
	Sulphurous oxychloride see Thionyl chloride						
60389 A 8/11A C 8 1760 2	**Sulphuryl chloride** PROSYNTH® *Sulfuryle chlorure / Sulfurilo cloruro* SO_2Cl_2 M = 134,97 g/mol **1 L ≈ 1,66 kg** assay ..... 99% boiling range ..... 67–69 °C refractive index (n_D^{20}) ..... 1,443 R: 14-34-37 S: 26 disposal: 11	FL. *2814*	1 L	22,75	19,35	18,20	17,5
	Super acid see Sulphuric acid fuming						
	Supercell see Kieselguhr						
35790	**Swep** min. 99% PESTANAL® [Methyl-N-(3,4-dichlorophenyl)-carbamate] $Cl_2C_6H_3NHCOOCH_3$ $C_8H_7Cl_2NO_2$ M = 220,05 g/mol	FL. *2921*	1 g	28,25	24,—	22,60	21,2
	Synergist, effect-promoting substance see appendix PESTANAL®						

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3747	**Syringaldehyde** PROSYNTH® *Syringaldéhyde / Siringaldehido* $(CH_3O)_2C_6H_2(OH)CHO$ $C_9H_{10}O_4$ $M = 182{,}18$ g/mol assay (alkalimetric) ..... 99% melting range ..... 110—112 °C	FL. 2911	1 g	14,—	11,90	11,20	10,50
4840	**Syringic acid** PROSYNTH® *Acide syringique / Acido siríngico* $C_9H_{10}O_5$ $M = 198{,}18$ g/mol $(CH_3O)_2C_6H_2(OH)COOH$ assay (alkalimetric) ..... 98% melting range ..... 204—207 °C	WG. 2916	10 g	17,50	14,90	14,—	13,15
5756 6.1/83 6.1 ./. 3	**2,4,5-T** min. 99% PESTANAL® (2,4,5-Trichlorophenoxyacetic acid) $Cl_3C_6H_2OCH_2COOH$ $C_8H_5Cl_3O_3$ $M = 255{,}48$ g/mol R: 20/21/22-40 S: 2-13 disposal: 7	FL. 2916	1 g	19,25	16,35	15,40	14,45
9161	**D-Tagatose** BIOSYNTH® *D-Tagatose / D-Tagatosa* package of 250 mg $HOCH_2CO(CHOH)_3CH_2OH$ $C_6H_{12}O_6$ $M = 180{,}16$ g/mol	2913	1 pack	39,—	33,15	31,20	29,25
8654	**Talc** powder Ph. Eur. I, B. P. 1973, Ph. Franç. IX, Reag. Ph. Eur. I *Talc / Talco* loss on drying (180 °C, 1h) ..... 0,5% soluble in acid (as sulphates) ..... 2,5% iron (Fe) ..... 0,02% heavy metals (as Pb) ..... 0,002% chloride (Cl) ..... max. 0,005%	PF. S. 2527	2,5 kg 50 kg	21,50 kg	17,85 2,60	16,75	16,15
	TAME see N^{α}-Tosyl-L-arginine methyl ester hydrochloride						
6201	**Tannic acid** pure powder DAB 7, Reag. Ph. Eur. I *Acide tannique / Acido tánico* loss on drying (105 °C) ..... 6% ash ..... 0,05% ash ..... 0,05% alkalinely reacting impurities ..... passes test dextrines, gum matters, salts, sugars ..... passes test resinous matters ..... passes test resinous matters ..... passes test	PF. PF. PF. FTP. 3201	250 g 500 g 1 kg 25 kg	17,50 30,25 56,— price on request	14,90 25,70 47,60	14,— 24,20 44,80	13,15 23,30 43,10
	Tannin see Tannic acid						
0451	**Tantalum** powder *Tantale / Tántalo* Ta $M = 180{,}95$ g/mol assay 99%	FL. 8103	10 g	29,—	24,65	23,20	21,75
0454 4.3/2 4.3 * 1402 2	**Tantalum carbide** powder *Tantale carbure / Tántalo carburo* TaC $M = 192{,}96$ g/mol assay 99%	WG. 2856	10 g	20,75	17,65	16,60	15,55
0455 8/12 8 1759 2	**Tantalum(V) chloride** *Tantale(V) chlorure / Tántalo(V) cloruro* $TaCl_5$ $M = 358{,}21$ g/mol assay 99%	WG. 2830	100 g	133,—	113,05	106,40	99,75
0413 8/15B 8 1759 2	**Tantalum(V) fluoride** *Tantale(V) fluorure / Tántalo(V) fluoruro* TaF_5 $M = 275{,}94$ g/mol assay 98,5%	PF. 2829	10 g	82,—	69,70	65,60	61,50

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10456	**Tantalum(V) oxide** *Tantale(V) oxyde / Tántalo(V) óxido* Ta_2O_5 $M = 441{,}89$ g/mol assay 99%	WG. *2828*	10 g	28,25	24,—	22,60	21,2
	Tartar emetic see Potassium antimony tartrate						
33801	**L(+)-Tartaric acid** R. G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I *Acide L(+)- tartrique / Acido L(+)- tartárico* $HOOC(CHOH)_2COOH$ $C_4H_6O_6$ $M = 150{,}09$ g/mol assay ..... min. 99,5% insoluble in water ..... max. 0,005% sulphated ash ..... max. 0,01% calcium (Ca) ..... max. 0,002% iron (Fe) ..... max. 0,0005% copper (Cu) ..... max. 0,0005% heavy metals (as Pb) ..... max. 0,0005% chloride (Cl) ..... max. 0,0005% oxalate (C_2O_4) ..... passes test phosphate (PO_4) ..... max. 0,001% total sulphur (as SO_4) ..... max. 0,005%	PF. PF. PF. PF. *2916*	250 g 500 g 1 kg 5 kg	price on request price on request price on request price on request			
27504	**L(+)-Tartaric acid** chem. pure gritty Ph. Eur. I, B. P. 1973, Ph. Franç. IX *Acide L(+)-tartrique / Acide L(+)-tartárico* $HOOC(CHOH)_2COOH$ $C_4H_6O_6$ $M = 150{,}09$ g/mol assay ..... 99,8% specific rotation ($[\alpha]_D^{20}$, c = 20 in H_2O) ..... +11,9 to +12,3° loss on drying (105 °C) ..... 0,2% sulphated ash ..... 0,05% arsenic (As) ..... 0,0001% heavy metals (as Pb) ..... 0,0005% chloride (Cl) ..... 0,005% sulphate (SO_4) 0,01%	PF. PF. S. FTP. *2916*	1 kg 5 kg 50 kg 50 kg	price on request price on request price on request price on request			
27506	**L(+)-Tartaric acid** chem. pure powder Ph. Eur. I, B.P. 1973, Ph. Franç. IX *Acide L(+)- tartrique / Acido L(+)- tartárico* $HOOC(CHOH)_2COOH$ $C_4H_6O_6$ $M = 150{,}09$ g/mol assay ..... 99,8% specific rotation ($[\alpha]_D^{20}$, c = 20 in H_2O) ..... +11,9 to +12,3° loss on drying (105 °C) ..... 0,2% sulphated ash ..... 0,05% arsenic (As) ..... 0,0001% heavy metals (as Pb) ..... 0,0005% chlorid (Cl) ..... 0,005% sulphate (SO_4) 0,01%	PF. S. FTP. *2916*	1 kg 50 kg 50 kg	price on request price on request price on request			
63176	**D(-)-Tartaric acid** for resolution of racemates PROSYNTH® *Acide D(-)-tartrique / Acido D(-)-tartárico* $HOOC(CHOH)_2COOH$ $C_4H_6O_6$ $M = 150{,}09$ g/mol assay (alkalimetric) ..... 99% melting range ..... 168—170 °C spec. rotation ($[\alpha]_D^{20}$; c = 10 in H_2O) ..... −13° ± 1°	WG. *2916*	10 g	price on request			
63923	**DL-Tartaric acid** PROSYNTH® *Acide DL-tartrique / Acido DL-tartárico* $HOOC(CHOH)_2COOH$ $C_4H_6O_6$ $M = 150{,}09$ g/mol assay (alkalimetric) ..... 99% melting range ..... 204—206 °C (disint.)	WG. *2916*	25 g	price on request			

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63177	***meso*-Tartaric acid monohydrate** PROSYNTH® *Acide meso-tartrique monohydrate / Acido meso-tartárico monohidrato* $HOOC(CHOH)_2COOH \cdot H_2O$ $C_4H_6O_6 \cdot H_2O$ $M = 168{,}10$ g/mol assay (alcalimetric) ..... 98 %	WG. *2916*	10 g	price on request			
33925	**Tartrazine** adsorption indicator (C. I. No. 19140, S. No. 737) *Tartrazine / Tartracina* $NaO_3SC_6H_4NN=C(COONa)C(N=NC_6H_4\text{-}SO_3Na)=COH$ $C_{16}H_9N_4Na_3O_9S_2$ $M = 534{,}37$ g/mol	WG. *3205*	100 g	18,50	15,75	14,80	13,90
36083 A 3/5 C 3.2 1142 2 +12 °C	**Tashiro's indicator** *Indicateur de Tashiro / Indicador de Tashiro* **1 L ≈ 0,79 kg** R: 11 S: 7-16 disposal: 6	FL. FL. *3819*	250 ml 1 L	10,— 25,25	8,50 21,45	8,— 20,20	7,50 19,45
63057	**Taurine** PROSYNTH® *Taurine / Taurina* $NH_2CH_2CH_2SO_3H$ $C_2H_7NO_3S$ $M = 125{,}15$ g/mol assay (ex N) ..... 99 % melting range ..... 328—330 °C (disint.)	WG. *2922*	250 g	35,—	29,75	28,—	26,25
64132	**Taurocholic acid sodium salt** PROSYNTH® *Acide taurocholique sel sodique / Acido taurocólico, sal sódica* $C_{26}H_{44}NNaO_7S$ $M = 537{,}69$ g/mol consists mainly of a mixture of sodium taurocholate and sodium glycocholate	WG. *2931*	100 g	26,25	22,30	21,—	19,70
35779	**TCA** min. 99 % PESTANAL® (Sodium trichloroacetate) $Cl_3CCOONa$ $C_2Cl_3NaO_2$ $M = 185{,}37$ g/mol R: 22 S: 24/25 disposal: 7	FL. *2914*	1 g	18,—	15,30	14,40	13,50
35868	**Tecnazene** min. 99 % PESTANAL® (2,3,5,6-Tetrachlornitrobenzene) $C_6HCl_4NO_2$ $M = 260{,}89$ g/mol	FL. *2903*	1 g	28,25	24,—	22,60	21,20
14776	**Tellurium** pure powder *Tellure / Telurio* Te $M = 127{,}60$ g/mol assay ..... 99,5 % lead (Pb) ..... 0,01 % selenium (Se) ..... 0,01 % total sulphur (S) ..... 0,01 %	WG. PF. *2804*	50 g 100 g	27,75 50,50	23,60 42,95	22,20 40,40	20,80 37,90
14800 A 8/12 C 8 1759 2	**Tellurium(IV) chloride** *Tellure(IV) chlorure / Telurio(IV) cloruro* $TeCl_4$ $M = 269{,}41$ g/mol	WG. *2814*	100 g	49,50	42,10	39,60	37,15
10457 A 6.1 C 6.1 2811 3	**Tellurium dioxide** *Tellure dioxyde / Telurio dióxido* TeO_2 $M = 159{,}60$ g/mol assay ..... 99 %	FL. *2813*	1 g	12,75	10,85	10,20	9,55

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35907 A 6.1/81B C 6.1 1615 2	**Telodrine** min. 99% PESTANAL® $C_9H_4Cl_8O$ *M* = 411,75 g/mol	FL. *2902*	1 g	31,50	26,80	25,20	23,6
10590	**Terbium** *Terbium / Terbio* Tb *M* = 158,93 g/mol assay 99%	FL. *2805*	1 g	80,—	68,—	64,—	60,-
10593	**Terbium(III) chloride** *Terbium(III) chlorure / Terbio(III) cloruro* $TbCl_3$ *M* = 265,28 g/mol assay 99%	FL. *2852*	1 g	119,—	101,15	95,20	89,2
10591 C 6.1 2811 3	**Terbium fluoride** *Terbium fluorure / Terbio fluoruro* TbF_3 *M* = 215,92 g/mol assay 99%	FL. *2852*	1 g	69,—	58,65	55,20	51,7
10592	**Terbium oxide** *Terbium oxyde / Terbio óxido* Tb_4O_7 *M* = 747,70 g/mol assay 99%	FL. *2852*	1 g	20,25	17,20	16,20	15,2
35869	**Terbutryne** min. 99% PESTANAL® (2-*tert.*-Butylamino-4-ethylamino-6-methylthio-1,3,5-triazine) $N=C[NHC(CH_3)_3]N=C(NHCH_2CH_3)NCSCH_3$ $C_{10}H_{19}N_5S$ *M* = 241,36 g/mol	FL. *2935*	1 g	56,50	48,05	45,20	42,4
63058	**Terephthalaldehyde** PROSYNTH® *Aldéhyde téréphtalique / Aldehído tereftálico* $C_6H_4(CHO)_2$ $C_8H_6O_2$ *M* = 134,13 g/mol assay (GC) ..... 99% melting range ..... 114—116 °C	PF. *2911*	100 g	42,—	35,70	33,60	31,5
63059	**Terephthalic acid** PROSYNTH® *Acide téréphtalique / Acido tereftálico* $C_6H_4(COOH)_2$ $C_8H_6O_4$ *M* = 166,13 g/mol assay (alkalimetric) 98%	PF. *2915*	1 kg	23,—	19,55	18,40	17,7
	Terephthalic acid dichloride see Terephthaloyl dichloride						
	Terephthalic acid dinitrile see Terephthalodinitrile						
63061 A 6.1/21A C 6.1 2811 1	**Terephthalodinitrile** PROSYNTH® *Téréphtalodinitrile / Tereftalodinitrilo* $C_6H_4(CN)_2$ $C_8H_4N_2$ *M* = 128,13 g/mol assay (ex N) ..... 98% melting range ..... 220—222 °C	PF. *2927*	100 g	105,50	89,70	84,40	79,
60398 A 8/22 C 8 1760 2	**Terephthaloyl dichloride** PROSYNTH® *Acide téréphtalylique dichlorure / Acido tereftálico dicloruro* $C_6H_4(COCl)_2$ $C_8H_4Cl_2O_2$ *M* = 203,02 g/mol assay (ex Cl) ..... 98% melting range ..... 79—81 °C	WG. *2915*	250 g	28,50	24,25	22,80	21,4
56025	**p-Terphenyl** for scintillation *p-Terphényle / p-Terfenilo* $C_6H_5C_6H_4C_6H_5$ $C_{18}H_{14}$ *M* = 230,31 g/mol	WG. *2901*	100 g	48,75	41,45	39,—	36,
	2,2',6',2''-Terpyridine see α,α',α''-Tripyridyl						

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	Test sets AQUANAL® for quantitative analysis of aqueous solutions (e.g. waste water) ...						
6401	Test set **cobalt(II)/nickel(II)** AQUANAL® for quantitative determination of 0,5—10 mg/l (ppm) Co, 0,5—10 mg/l (ppm) Ni *Jeu d'essay cobalt(II)/nickel(II) / Testset cobalto(II)/niquel(II)*	3819	1 pack	31,75	27,—	25,40	23,80
6407	Test set **cobalt(II)/nickel(II)** AQUANAL® for quantitative determination of 5—100 mg/l (ppm) Co, 5—100 mg/l (ppm) Ni *Jeu d'essay cobalt(II)/niquel(II) / Testset cobalto(II)/niquel(II)*	3819	1 pack	31,75	27,—	25,40	23,80
6400	Test set **copper(II)** AQUANAL® for quantitative determination of 0,5—10 mg/l (ppm) Cu *Jeu d'essay cuivre(II) / Testset cobre(II)*	3819	1 pack	28,75	24,45	23,—	21,55
6406	Test set **copper(II)** AQUANAL® for quantitative determination of 5—100 mg/l (ppm) Cu *Jeu d'essay cuivre(II) / Testset cobre(II)*	3819	1 pack	28,75	24,45	23,—	21,55
6403	Test set **cyanide** AQUANAL® for quantitative determination of 0,5—10 mg/l (ppm) CN *Jeu d'essay cyanure / Testset cianuro*	3819	1 pack	33,75	28,70	27,—	25,30
6409	Test set **cyanide** AQUANAL® for quantitative determination of 5—100 mg/l (ppm) CN *Jeu d'essay cyanure AQUANAL® / Testset cianuro AQUANAL®*	3819	1 pack	33,75	28,70	27,—	25,30
6408	Test set **iron(III)** AQUANAL® for quantitative determination of 5—100 mg/l (ppm) Fe *Jeu d'essay fer(III) / Testset hierro(III)*	3819	1 pack	28,75	24,45	23,—	21,55
6402	Test set **iron(III)/titanium(IV)/vanadium(V)** AQUANAL® for quantitative determination of 0,5—10 mg/l (ppm) Fe, 0,5—10 mg/l (ppm) Ti, 0,5—10 mg/l (ppm) V *Jeu d'essay fer(III)/titane(IV)/vanadium(V) / Testset hierro(III)/titano(IV)/vanadio(V)*	3819	1 pack	28,75	24,45	23,—	21,55
6420	Test set **salt** AQUANAL® for quantitative determination of 50—3000 mg/l (ppm) salt (as NaCl) *Jeu d'essay sel / Testset sal*	3819	1 pack	31,75	27,—	25,40	23,80
6421	Test set **salt** AQUANAL® for quantitative determination of 1000—40000 mg/l (ppm) salt (as NaCl) *Jeu d'essay sel / Testset sal*	3819	1 pack	31,75	27,—	25,40	23,80
6404	Test set **sulphide** AQUANAL® for quantitative determination of 0,5—10 mg/l (ppm) S *Jeu d'essay sulfure / Testset sulfuro*	3819	1 pack	33,75	28,70	27,—	25,30
6405	Test set **sulphide** AQUANAL® for quantitative determination of 5—50 mg/l (ppm) S *Jeu d'essay sulfure / Testset sulfuro*	3819	1 pack	33,75	28,70	27,—	25,30

HYDRANAL® a new Karl Fischer reagent

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	Control sets AQUANAL® for the indication of disturbances (according to addition method) at the quantitative analysis of watery solutions	*3819*	1 pack	31,75	27,—	25,40	23,
36412	**Control set cobalt(II)** AQUANAL® for the indication of disturbances at the determination of 0,5—10 mg/l (ppm) Co *Set de contrôle cobalt(II) / Set de control cobalto(II)*	*3819*	1 pack	31,75	27,—	25,40	23,
36413	**Control set cobalt(III)** AQUANAL® for the indication of disturbances at the determination of 5—100 mg/l (ppm) Co *Set de contrôle cobalt(II) / Set de control cobalto(II)*	*3819*	1 pack	28,75	24,45	23,—	21,
36411	**Control set iron(III)** AQUANAL® for the indication of disturbances at the determination of 5—100 mg/l (ppm) Fe *Set de contrôle fer(III) / Set de control hierro(III)*	*3819*	1 pack	28,75	24,45	23,—	21,
36414	**Control set copper(II)** AQUANAL® for the indication of disturbances at the determination of 0,5—10 mg/l (ppm) Cu *Set de contrôle cuivre(II) / Set de control cobre(II)*	*3819*	1 pack	28,75	24,45	23,—	21
36415	**Control set copper(II)** AQUANAL® for the indication of disturbances at the determination of 5—100 mg/l (ppm) Cu *Set de contrôle cuivre(II) / Set de control cobre(II)*	*3819*	1 pack	28,75	24,45	23,—	21
36410	**Control set iron(III)** AQUANAL® for the indication of disturbances at the determination of 0,5—10 mg/l (ppm) Fe *Set de contrôle fer(III) / Set de control hierro(III)*	*3819*	1 pack	31,75	27,—	25,40	23
36416	**Control set nickel(II)** AQUANAL® for the indication of disturbances at the determination of 0,5—10 mg/l (ppm) Ni *Set de contrôle nickel(II) / Set de control niquel(II)*	*3819*	1 pack	31,75	27,—	25,40	23
36417	**Control set nickel(II)** AQUANAL® for the indication of disturbances at the determination of 5—100 mg/l (ppm) Ni *Set de contrôle nickel(II) / Set de control niquel(II)*	*3819*	1 pack	31,75	27,—	25,40	23
36418	**Control set titanium(IV)** AQUANAL® for the indication of disturbances at the determination of 0,5—10 mg/l (ppm) Ti *Set de contrôle titane(IV) / Set de control titanio(IV)*	*3819*	1 pack	28,75	24,45	23,—	21
	2,3,4,6-Tetraacetyl-α-D-glucose-1-bromide see α-Acetobromoglucose						
02876 A 6.1 C 6.1 2811 3	**Tetrabromobisphenol A** *Tétrabromobisphénol A / Tetrabromobisfenol A* $(HOC_6H_2Br_2)_2C(CH_3)_2$ $C_{15}H_{12}Br_4O_2$ $M = 543,87$ g/mol	FL. *2907*	1 kg	56,50	48,05	45,20	43
	Tetrabromo-m-cresolsulphonphthalein see Bromocresol green						
02826 A 6 1/62B C 6.1 2504 3	**1,1,2,2-Tetrabromoethane** (Acetylene tetrabromide) *1-1-2-2-Tétrabromoéthane / 1,1,2,2-Tetrabromoetano* $CHBr_2CHBr_2$ $C_2H_2Br_4$ $M = 345,65$ g/mol 1 L ≈ 2,96 kg R: 26-36 S: 1-24-27 45 disposal: 13	FL. FL. STP. *2902*	250 ml 1 L 50 kg	41,75 139,— price on request	35,50 118,15	33,40 111,20	3 10

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3704 6.1/62B 6.1 2504 3	**1,1,2,2-Tetrabromoethane** D^{20} 2,96—2,97 (Muthmann's liquid) for separation of mineral mixtures *1-1-2-2-Tétrabromoéthane / 1,1,2,2-Tetrabromoetano* $CHBr_2CHBr_2$ $C_2H_2Br_4$ *M* = 345,65 g/mol **1 L ≈ 2,96 kg** R: 26-36 S: 1-24-27-45 disposal: 13	FL. FL. *2902*	100 ml 250 ml	25,25 57,—	21,45 48,45	20,20 45,60	18,95 42,75
	Tetrabromomethane see Carbon tetrabromide						
3903	**Tetrabromophenol blue** indicator *Bleu de tétrabromophénol / Azul de tetrabromofenol* $C_{19}H_6Br_8O_5S$ *M* = 985,55 g/mol	FL. *3205*	1 g	18,75	15,95	15,—	14,05
3767	**3,3',5,5'-Tetrabromophenolphthalein ethyl ester potassium salt** R. G. *3-3'-5-5'-Tétrabromophénolphtaléine éthyl ester sel potassique / 3,3',5,5'-Tetrabromofenolftaleina etilester sal potásica* $C_{22}H_{13}Br_4KO_4$ *M* = 700,06 g/mol	FL. *2935*	5 g	221,—	187,85	176,80	165,75
	Tetrabromophenolsulphonphthalein see Bromophenol blue						
3067	**Tetrabromophthalic anhydride** PROSYNTH® *Anhydride tétrabromophtalique / Anhídrido tetrabromoftálico* Br_4C_6COOCO $C_8Br_4O_3$ *M* = 463,70 g/mol assay (ex Br) ..... 98% melting range ..... 269—271 °C	PF. *2915*	250 g	30,—	25,50	24,—	22,50
63748 A 6.1/62 A C 6.1 2811 3	**α,α,α',α'-Tetrabromo-m-xylene** PROSYNTH® *α-α-α'-α'-Tétrabromo-m-xylène / α,α,α',α'-Tetrabromo-m-xileno* $C_6H_4(CHBr_2)_2$ $C_8H_6Br_4$ *M* = 421,75 g/mol assay (GC) ..... 97% melting range ..... 105—107 °C	WG. *2902*	50 g	34,—	28,90	27,20	25,50
64848 A 6.1/62 C 6.1 1610 3	**α,α,α',α'-Tetrabromo-o-xylene** PROSYNTH® *α-α-α'-α'-Tétrabromo-o-xylène / α,α,α',α'-Tetrabromo-o-xileno* $C_6H_4(CHBr_2)_2$ $C_8H_6Br_4$ *M* = 421,77 g/mol assay (GC) ..... 99% melting range ..... 115—117 °C	WG. *2902*	250 g	138,50	117,75	110,80	103,90
65092	**Tetrabutylammonium chloride** PROSYNTH® *Tétrabutylammonium chlorure / Tetrabutilamonio cloruro* $(CH_3CH_2CH_2CH_2)_4N(Cl)$ $C_{16}H_{36}ClN$ *M* = 277,92 g/mol assay (ex Cl) 95%	WG. *2924*	10 g	10,25	8,70	8,20	7,70
64849	**Tetrabutylammonium iodide** PROSYNTH® *Tétrabutylammonium iodure / Tetrabutilamonio yoduro* $(CH_3CH_2CH_2CH_2)_4N(J)$ $C_{16}H_{36}JN$ *M* = 369,37 g/mol assay (ex J) ..... 99% melting range ..... 145—147 °C	WG. *2924*	100 g	32,75	27,85	26,20	24,55

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63070 **Tetrabutyltin** PROSYNTH® A 6.1/81F2 *Tétrabutylétain / Tetrabutilestaño* C 6.1 2810 2 $(CH_3CH_2CH_2CH_2)_4Sn$ $C_{16}H_{36}Sn$ $M = 347{,}15$ g/mol 1 L ≈ 1,05 kg assay (GC) ..... 97% boiling range ..... 143–145 °C refractive index (n_D^{20}) ..... 1,474 R: 23/24/25 S: 2-13-44 disposal: 10	FL. *2934*	100 ml	26,75	22,75	21,40	20,0
20924 **Tetracaine hydrochloride** Ph. Eur. I, B. P. 1973, Ph. Franç. IX *Tétracaine chlorhydrate / Tetracaino clorhidrato* $CH_3(CH_2)_3NHC_6H_4COOCH_2CH_2N(CH_3)_2 \cdot HCl$ $C_{15}H_{25}ClN_2O_2$ $M = 300{,}83$ g/mol assay (for dry substance, perchloric acid titration) ..... 99% melting range ..... 146–151 °C loss on drying (150 °C) ..... 0,5% sulphated ash 0,1%	PF. *2923*	1 kg	273,–			
65093 **2,3,5,6-Tetrachloroaniline** PROSYNTH® A 6.1/21E *2-3-5-6-Tétrachloroaniline / 2,3,5,6-Tetracloroanilina* C 6.1 2811 2 $NH_2C_6HCl_4$ $C_6H_3Cl_4N$ $M = 230{,}91$ g/mol assay (ex Cl) ..... 98% melting range ..... 106–108 °C R: 23/24/25-33 S: 28-36/37-44 disposal: 7	WG. *2922*	10 g	19,–	16,15	15,20	14,2
65094 **2,3,4,5-Tetrachloroaniline** PROSYNTH® A 6.1/21E *2-3-4-5-Tétrachloroaniline / 2,3,4,5-Tetracloroanilina* C 6.1 2811 2 $NH_2C_6HCl_4$ $C_6H_3Cl_4N$ $M = 230{,}91$ g/mol assay (ex Cl) ..... 97% melting range ..... 115–118 °C R: 23/24/25-33 S: 28-36/37-44 disposal: 7	WG. *2922*	10 g	23,–	19,55	18,40	17,2
Tetrachloroauric(III) acid see Chloroauric acid						
64851 **1,2,3,4-Tetrachlorobenzene** PROSYNTH® *Tétrachloro-1-2-3-4-benzène / 1,2,3,4-Tetraclorobenceno* $C_6H_2Cl_4$ $M = 215{,}89$ g/mol assay (GC) ..... 99% melting range ..... 45–47 °C	WG. *2902*	100 g	54,–	45,90	43,20	40,5
63749 ***meso*-1,2,3,4-Tetrachlorobutane** PROSYNTH® *meso-1-2-3-4-Tétrachlorobutane / meso-1,2,3,4-Tetraclorobutano* $CH_2ClCHClCHClCH_2Cl$ $C_4H_6Cl_4$ $M = 195{,}90$ g/mol assay (ex Cl) ..... 98% melting range ..... 72–75 °C	WG. *2902*	100 g	25,25	21,45	20,20	18,9
65095 **Tetrachlorocyclopropene** PROSYNTH® *Tétrachlorocyclopropène / Tetraclorociclopropeno* C_3Cl_4 $M = 177{,}85$ g/mol assay (GC) ..... 97% boiling range ..... 126–129 °C refractive index (n_D^{20}) 1,505	FL. *2902*	1 g	23,–	19,55	18,40	17,5
1,2,4,5-Tetrachloro-3,6-dioxocyclohexadiene-(1,4) see Chloranil						

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
30863 A 6.1/12C C 6.1 1702 2	**1,1,2,2-Tetrachloroethane** min. 99,9% for gas chromatography *Tétrachloro-1-1-2-2-éthane / 1,1,2,2-Tetracloroetano* $CHCl_2CHCl_2$ $C_2H_2Cl_4$ $M = 167,85$ g/mol **1 L ≈ 1,59 kg** R: 26/27 S: 2-38-45 disposal: 13	FL. *2902*	5 ml	49,25	41,85	39,40	36,95
16209 A 6.1/12C C 6.1 1702 2	**1,1,2,2-Tetrachloroethane** chem. pure *Tétrachloro-1-1-2-2-éthane / 1,1,2,2-Tetracloroetano* $CHCl_2CHCl_2$ $C_2H_2Cl_4$ $M = 167,85$ g/mol **1 L ≈ 1,59 kg** boiling range ..... 145—147 °C density (D_4^{20}) ..... 1,598—1,600 refractive index (n_D^{20}) ..... 1,4935—1,4950 free acid (as HCl) ..... 0,002% R: 26/27 S: 2-38-45 disposal: 13	FL. FL. EKL. *2902*	1 L 2,5 L 45 kg	16,50 34,50 price on request	14,05 28,65	13,20 26,90	12,70 25,90
09073 A 6.1/12C C 6.1 1702 2	**1,1,2,2-Tetrachloroethane-d_2** deuteration degree not less than 99 atom% D *Tétrachloro-1-1-2-2-éthane-d_2 / 1,1,2,2-Tetracloroetano-d_2* $CDCl_2CDCl_2$ $C_2Cl_4D_2$ $M = 169,83$ g/mol **1 L ≈ 1,62 kg** R: 26/27 S: 2-38-45 disposal: 13	A. *2851*	10 ml	47,50	40,40	38,—	35,65
30864 C 6.1 1897 3	**Tetrachloroethylene** min. 99,9% for gas chromatography *Tétrachloroéthylène / Tetracloroetileno* $Cl_2C=CCl_2$ C_2Cl_4 $M = 165,83$ g/mol **1 L ≈ 1,62 kg** R: 20/22 S: 2-25 disposal: 13	FL. *2902*	5 ml	49,25	41,85	39,40	36,95
34927 C 6.1 1897 3	**Tetrachloroethylene** SPECTRANAL® *Tétrachloroéthylène / Tetracloroetileno* $Cl_2C=CCl_2$ C_2Cl_4 $M = 165,83$ g/mol **1 L ≈ 1,62 kg** assay (GC) ..... min. 99,7% non-volatile matter ..... max. 0,001% water (according to Karl Fischer) ..... max. 0,01% free acid (as HCl) ..... max. 0,001% suitability for UV-spectroscopy transmittance (1 cm cell; reference: water) transmittance/wavelength (nm): min. 20%/290, min. 75%/300, min. 85%/320, min. 90%/340, min. 95%/from 395 suitability for IR and NMR spectroscopy ... passes test R: 20/22 S: 2-25 disposal: 13	FL. FL. *2902*	500 ml 2,5 L	20,50 78,50	17,45 65,15	16,40 61,25	15,80 58,90

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)	Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
17942 **Tetrachloroethylene MOS** PURANAL® particle class 0 C 6.1 1897 3 *Tétrachloroéthylene / Tetracloroetileno*	FL. *2902*	2,5 L	price on request			

$Cl_2C=CCl_2$
C_2Cl_4 $M = 165{,}83$ g/mol — **1 L ≈ 1,62 kg**

assay (GC)	min. 99,7%
boiling range	120—122°C
density (D_4^{20})	1,622—1,624
refractive index (n_D^{20})	1,5050—1,5060
non-volatile matter	max. 5 ppm
water (according to Karl Fischer)	max. 50 ppm
free acid (as HCl)	max. 5 ppm
free alkali (as NaOH)	max. 1 ppm
aluminium (Al)	max. 0,05 ppm
antimony (Sb)	max. 0,01 ppm
arsenic (As)	max. 0,01 ppm
barium (Ba)	max. 0,1 ppm
beryllium (Be)	max. 0,01 ppm
lead (Pb)	max. 0,02 ppm
boron (B)	max. 0,02 ppm
cadmium (Cd)	max. 0,01 ppm
calcium (Ca)	max. 0,2 ppm
chromium (Cr)	max. 0,01 ppm
iron (Fe)	max. 0,1 ppm
gallium (Ga)	max. 0,02 ppm
gold (Au)	max. 0,02 ppm
indium (In)	max. 0,02 ppm
potassium (K)	max. 0,1 ppm
cobalt (Co)	max. 0,01 ppm
copper (Cu)	max. 0,01 ppm
lithium (Li)	max. 0,02 ppm
magnesium (Mg)	max. 0,1 ppm
manganese (Mn)	max. 0,01 ppm
molybdenum (Mo)	max. 0,01 ppm
sodium (Na)	max. 0,2 ppm
nickel (Ni)	max. 0,01 ppm
platinum (Pt)	max. 0,02 ppm
silver (Ag)	max. 0,02 ppm
strontium (Sr)	max. 0,02 ppm
thallium (Tl)	max. 0,02 ppm
titanium (Ti)	max. 0,01 ppm
vanadium (V)	max. 0,01 ppm
bismuth (Bi)	max. 0,02 ppm
zinc (Zn)	max. 0,05 ppm
tin (Sn)	max. 0,02 ppm
zirconium (Zr)	max. 0,01 ppm
free chlorine (Cl)	max. 0,3 ppm
chloride (Cl)	max. 5 ppm

R: 20/22 S: 2-25
disposal: 13

refer explanations

Code-Number
) RID/ADR
) GGVE/GGVS
) IMDG-CODE (GGVSee)

		Type of package B.T.N.		Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
17941	**Tetrachloroethylene** PURANAL®							
C 6.1 1897 3	*Tétrachloroéthylène / Tetracloroetileno*	FL. *2902*	2,5 L	price on request				

$Cl_2C=CCl_2$

C_2Cl_4 $M = 165{,}83$ g/mol **1 L ≈ 1,62 kg**

assay (GC) ..... min. 99,7%
boiling range ..... 120–122 °C
density (D_4^{20}) 1,622–1,624
refractive index (n_D^{20}) 1,5050–1,5060
non-volatile matter ..... max. 5 ppm
water (according to Karl Fischer) ..... max. 50 ppm
free acid (as HCl) ..... max. 5 ppm
free alkali (as NaOH) ..... max. 1 ppm
aluminium (Al) ..... max. 0,05 ppm
antimony (Sb) ..... max. 0,01 ppm
arsenic (As) ..... max. 0,01 ppm
barium (Ba) ..... max. 0,1 ppm
beryllium (Be) ..... max. 0,01 ppm
lead (Pb) ..... max. 0,02 ppm
boron (B) ..... max. 0,02 ppm
cadmium (Cd) ..... max. 0,01 ppm
calcium (Ca) ..... max. 0,2 ppm
chromium (Cr) ..... max. 0,01 ppm
iron (Fe) ..... max. 0,1 ppm
gallium (Ga) ..... max. 0,02 ppm
gold (Au) ..... max. 0,02 ppm
indium (In) ..... max. 0,02 ppm
potassium (K) ..... max. 0,1 ppm
cobalt (Co) ..... max. 0,01 ppm
copper (Cu) ..... max. 0,01 ppm
lithium (Li) ..... max. 0,02 ppm
magnesium (Mg) ..... max. 0,1 ppm
manganese (Mn) ..... max. 0,01 ppm
molybdenum (Mo) ..... max. 0,01 ppm
sodium (Na) ..... max. 0,2 ppm
nickel (Ni) ..... max. 0,01 ppm
platinum (Pt) ..... max. 0,02 ppm
silver (Ag) ..... max. 0,02 ppm
strontium (Sr) ..... max. 0,02 ppm
thallium (Tl) ..... max. 0,02 ppm
titanium (Ti) ..... max. 0,01 ppm
vanadium (V) ..... max. 0,01 ppm
bismuth (Bi) ..... max. 0,02 ppm
zinc (Zn) ..... max. 0,05 ppm
tin (Sn) ..... max. 0,02 ppm
zirconium (Zr) ..... max. 0,01 ppm
free chlorine (Cl) ..... max. 0,3 ppm
chloride (Cl) ..... max. 5 ppm

R: 20/22 S: 2-25
disposal: 13

16211	**Tetrachloroethylene**	FL.	1 L	22,75	19,35	18,20	17,50
C 6.1 1897 3	*Tétrachloroéthylène / Tetracloroetileno*	FL.	2,5 L	47,75	39,65	37,25	35,80
		EKL.	45 kg	kg	4,20		
		EKL.	5x	kg	3,90		
		EKL.	10x	kg	3,70		
		2902					

$Cl_2C=CCl_2$

C_2Cl_4 $M = 165{,}83$ g/mol **1 L ≈ 1,62 kg**

boiling range ..... 119–121 °C
density (D_4^{20}) 1,622–1,624
refractive index (n_D^{20}) 1,5055–1,5060

R: 20/22 S: 2-25
disposal: 13

Tetrachloromethane see Carbon tetrachloride

63750	**2,3,4,5-Tetrachloronitrobenzene** PROSYNTH®	WG.	10 g	32,75	27,85	26,20	24,55
A 6.1/21K	*2-3-4-5-Tétrachloronitrobenzène /*	*2903*					
C 6.12811 2	*2,3,4,5-Tetracloronitrobenceno*						

$C_6HCl_4NO_2$ $M = 260{,}89$ g/mol

assay (HPLC) 95%
melting range ..... 64–66 °C

R: 23/24/25-33 S: 28-37-44
disposal: 20

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96 (16 Bo
63751 A 6.1/21K C 6.1 2811 2	**2,3,5,6-Tetrachloronitrobenzene** PROSYNTH® *2-3-5-6-Tétrachloronitrobenzène / 2,3,5,6-Tetracloronitrobenceno* $C_6HCl_4NO_2$ *M* = 260,89 g/mol assay (ex N) ..... 98% melting range ..... 98—101 °C R: 23/24/25-33 S: 28-37-44 disposal: 20	WG. *2903*	100 g	80,—	68,—	64,—	60
16249	**Tetrachlorophthalic anhydride** *Anhydride tétrachlorophtalique / Anhidrido tetracloroftálico* C_6Cl_4COOCO $C_8Cl_4O_3$ *M* = 285,90 g/mol assay ..... 99,8% melting range ..... 253—255 °C	PF. S. *2915*	1 kg 25 kg	31,50 price on request	26,80	25,20	24
65096	**Tetrachloropyrimidine** PROSYNTH® *Tétrachloropyrimidine / Tetracloropirimidina* $N=CClN=CClCCl=CCl$ $C_4Cl_4N_2$ *M* = 217,87 g/mol assay (ex Cl) ..... 97% melting range ..... 64—67 °C	FL. *2935*	1 g	31,25	26,55	25,—	23
35870	**Tetrachlorvinphos** min. 99% PESTANAL® (O,O-Dimethyl-O-2-chloro-1-[2,4,5-trichlorophenyl]-vinyl phosphoric acid ester) $CCl=CHCCl=CClCH=CC(=CHCl)OP(OCH_3)_2O$ $C_{10}H_9Cl_4O_4P$ *M* = 365,96 g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 20/21/22 S: 2-13 disposal: 7	FL. *2919*	1 g	56,50	48,05	45,20	42
63072	**Tetracosane** PROSYNTH® *Tétracosane / Tetracosano* $CH_3(CH_2)_{22}CH_3$ $C_{24}H_{50}$ *M* = 338,66 g/mol assay (GC) ..... 98% melting range ..... 50—52 °C	WG. *2901*	10 g	17,50	14,90	14,—	13
64853 A 6.1/31 C 6.1 2811 2	**Tetracyanoethylene** PROSYNTH® *Tétracyanoéthylène / Tetracianoetileno* $(NC)_2C=C(CN)_2$ C_6N_4 *M* = 128,09 g/mol assay (ex N) ..... 98% keep in refrigerator à stocker dans le refrigidaire almacenaje en la nevera R: 23/24/25 S: 44 disposal: 6	WG. *2927*	10 g	70,—	59,50	56,—	52
65097 A 6.1/21 C 6.1 2811 2	**7,7,8,8-Tetracyanoquinodimethane** PROSYNTH® *Tétracyanoquinodiméthane-7-7-8-8 / 7,7,8,8-Tetracianoquinodimetano* $C_{12}H_4N_4$ *M* = 204,19 g/mol assay (ex N) ..... 98% melting range ..... 288—290 °C (disint.)	FL. *2927*	1 g	14,25	12,10	11,40	1

ode-Number RID/ADR GGVE/GGVS IMDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
4854 6.1/81F 6.1 1615 2	**Tetracyclohexyltin** PROSYNTH® *Tétracyclohexylétain / Tetraciclohexilestaño* $C_{24}H_{44}Sn$ $M = 451{,}30$ g/mol $[CH_2(CH_2)_4CH]_4Sn$ assay (ex Sn) ..... 95% melting range ..... 260–263 °C keep in refrigerator à stocker dans le refrigidaire almacenaje en la nevera R: 23/24/25 S: 2-13-44 disposal: 10	FL. 2934	1 g	40,50	34,45	32,40	30,40
	Tetradecadeuteromethylcycloxane see Methylcyclohexane-D_4						
32259 A 3/4 +99 °C	***n*-Tetradecane** min. 99,9% for gas chromatography *n-Tétradécane / n-Tetradecano* $CH_3(CH_2)_{12}CH_3$ $C_{14}H_{30}$ $M = 198{,}39$ g/mol 1 L ≈ 0,76 kg	FL. 2901	5 ml	49,25	41,85	39,40	36,95
63752 A 3/4 +99 °C	**Tetradecane** PROSYNTH® olefin free *Tétradécane / Tetradecano* $CH_3(CH_2)_{12}CH_3$ $C_{14}H_{30}$ $M = 198{,}39$ g/mol 1 L ≈ 0,76 kg assay (GC) ..... 98% boiling range ..... 252–254 °C refractive index (n_D^{20}) 1,429	FL. 2901	100 ml	28,75	24,45	23,–	21,55
	1,2-Tetradecanecarboxylic acid see Dodecylsuccinic acid						
64855	**Tetradecanedioic acid** PROSYNTH® *Acide tétradécanedioïque / Acido tetradecanodióico* $HOOC(CH_2)_{12}COOH$ $C_{14}H_{26}O_4$ $M = 258{,}36$ g/mol assay (GC) ..... 99% melting range ..... 124–127 °C	WG. 2915	10 g	68,50	58,25	54,80	51,40
	Tetradecanenitrile see Myristonitrile						
63753	**1-Tetradecanethiol** PROSYNTH® *Tétradécanethiol-1 / 1-Tetradecanotiol* $CH_3(CH_2)_{13}SH$ $C_{14}H_{30}S$ $M = 230{,}46$ g/mol 1 L ≈ 0,84 kg assay (GC) ..... 96% boiling range (at 29 mbar) ..... 176–178 °C refractive index (n_D^{20}) 1,460	FL. 2931	25 ml	31,50	26,80	25,20	23,65
	Tetradecanoic acid see Myristic acid						
	Tetradecanol see Tetradecyl alcohol						
63073	**1-Tetradecene** PROSYNTH® *Tétradécène-1 / 1-Tetradeceno* $CH_3(CH_2)_{11}CH=CH_2$ $C_{14}H_{28}$ $M = 196{,}38$ g/mol 1 L ≈ 0,77 kg assay (GC) ..... 97% boiling range ..... 248–250 °C refractive index (n_D^{20}) 1,435	FL. 2901	1 L	226,–	192,10	180,80	174,–
65098	**7-Tetradecene** mixture of *cis* and *trans* isomers PROSYNTH® *Tétradécène-7 / 7-Tetradeceno* $CH_3(CH_2)_5CH=CH(CH_2)_5CH_3$ $C_{14}H_{28}$ $M = 196{,}38$ g/mol 1 L ≈ 0,77 kg assay (GC) ..... 97% refractive index (n_D^{20}) 1,438	FL. 2901	25 ml	28,50	24,25	22,80	21,40

PANPEHA® universal indicator paper in strips

Code Number A) RID ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	(16
63074	**Tetradecyl alcohol** PROSYNTH® *Alcool tétradécylique / Alcohol tetradecílico* $CH_3(CH_2)_{13}OH$ $C_{14}H_{30}O$ $M = 214,39$ g/mol assay (GC) ..... 95% melting range ..... 36 – 38 °C	PF. *2904*	250 g	11,50	9,80	9,20	
	Tetradecyl bromide see Bromotetradecane						
	Tetradecylmercaptan see Tetradecanethiol-(1)						
02883	**N-Tetradecyl-N,N,N-trimethylammonium bromide** *N-Tétradécyl-N-N-N-triméthylammonium bromure / N-Tetradecil-N,N,N-trimetilamonio bromuro* $[CH_3(CH_2)_{13}N^+(CH_3)_3]^+Br^-$ $C_{17}H_{38}BrN$ $M = 336,40$ g/mol assay ..... 98% melting range ..... 248 – 250 °C	WG. *2924*	100 g	43,25	36,75	34,60	3
	Tetradeuteroacetic acid see Acetic acid-D_4						
	Tetradeuteroethylene glycol see Ethylene glycol-D_4						
	Tetradeutero malonic acid see Malonic acid-D_4						
	Tetradeuteromethanol see Methanol-D_4						
	Tetradeutero-3-(trimethylsilyl)-propionic acid sodium salt see 3-(Trimethylsilyl)-propionic acid-D_4sodium salt						
35759	**Tetradiphon** min. 99% PESTANAL® (4-Chlorophenyl-2,4,5-trichlorophenyl sulfone) $Cl_3C_6H_2S(O)_2C_6H_4Cl$ $C_{12}H_6Cl_4O_2S$ $M = 356,06$ g/mol	FL. *2931*	1 g	21,50	18,30	17,20	1
65099 A 6.1/81F2 C 6.1 1615 3	**Tetradodecyltin** PROSYNTH® *Etain tétradodécylique / Estaño tetradodecílo* $[CH_3(CH_2)_{11}]_4Sn$ $C_{48}H_{100}Sn$ $M = 796,01$ g/mol 1 L ≈ 0,80 kg keep in refrigerator à stocker dans le refrigidaire almacenaje en la nevera R: 23/24/25 S: 2-13-44 disposal: 10	FL. *2934*	5 ml	37,—	31,45	29,60	2
65168 A 3/4 +88 °C	**1,1,3,3-Tetraethoxypropane** PROSYNTH® *Tétra-1-1-3-3-éthoxypropane / 1,1,3,3-Tetraetoxipropano* $(C_2H_5O)_2CHCH_2CH(OC_2H_5)_2$ $C_{11}H_{24}O_4$ $M = 220,31$ g/mol 1 L ≈ 0,92 kg assay (GC) ..... 98% refractive index (n_D^{20}) 1,411	FL. *2908*	500 ml	77,50	65,90	62,—	5
65169	**Tetraethylammonium bromide** PROSYNTH® *Tétraethylammonium bromure / Tetraetilamonio bromuro* $[(C_2H_5)_4N]Br$ $C_8H_{20}BrN$ $M = 210,16$ g/mol assay (ex Br) ..... 99% melting range ..... 284 – 286 °C (disint.)	WG. *2924*	250 g	18,—	15,30	14,40	1
16269 C 6.1 2810 2	**Tetraethylammonium fluoride solution** 60% in water *Tétraéthylammonium fluorure en solution / Tetraetilamonio fluoruro en solución* $[(C_2H_5)_4N]F$ $C_8H_{20}FN$ $M = 149,25$ g/mol R: 23/24/25 S: 1/2-26-44 disposal: 27	PF. *2924*	1 L	price on request			

refer explanations

Number ADR IE GGVS MO CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
68 7192	**Tetraethylammonium hydroxide solution** 40% in water *Tétraethylammonium hydroxyde en solution /* *Tetraetilamonio hidroxido en solucion* $[(C_2H_5)_4N]OH$ $C_8H_{21}NO$ $M = 147,26$ g/mol keep cool à stocker au frais conservese frio R: 34 S: 26 disposal: 3	PF. STP. 2924	1 L 60 kg	price on request price on request			
62 7192	**Tetraethylammonium hydroxide solution** 20% in water *Tétraethylammonium hydroxyde en solution /* *Tetraetilamonio hidróxido en solutión* $[(C_2H_5)_4N]OH$ $C_8H_{21}NO$ $M = 147,26$ g/mol 1 L ≈ 1,03 kg assay $[(C_2H_5)_4N]OH$ ..... 19,5—20,5% amines (tert.) $N(C_2H_5)_3$ ..... 0,5% iron (Fe) ..... 0,0002% potassium (K) ..... 0,05% sodium (Na) ..... 0,05% chloride (Cl) ..... 0,05% transparency (400 nm, 1 cm) ..... 96% keep cool à stocker au frais conservese frio R: 36/37/38 S: 2-26 disposal: 3	PF. PF. FPF. 2924	250 ml 1 L 60 kg	30,— 100,— price on request	25,50 85,—	24,— 80,—	22,50 77,—
756 35 3 1993 2 8°C	**N,N,N',N'-Tetraethylenediamine** PROSYNTH® *N-N-N'-N'-Tétraéthylènediamine /* *N,N,N',N'-Tetraetilendiamina* $(C_2H_5)_2NCH_2CH_2N(C_2H_5)_2$ $C_{10}H_{24}N_2$ $M = 172,31$ g/mol 1 L ≈ 0,80 kg assay (GC) ..... 99% boiling range ..... 189—192 °C refractive index (n_D^{20}) ..... 1,434 R 36/37/38 S 26 disposal: 19	FL. 2922	25 ml	34,50	29,35	27,60	25,90
672	**Tetraethylene glycol dimethyl ether** for gas chromatography *Ether diméthylique du tétraéthylèneglycol / Eter dimetílico de tetraetilenglicol* $[CH_3OCH_2CH_2OCH_2CH_2]_2O$ $C_{10}H_{22}O_5$ $M = 222,28$ g/mol 1 L ≈ 1,01 kg working temperature ..... to 60 °C	FL. 2908	25 ml	41,—	34,85	32,80	30,75
754	**Tetraethylene glycol dimethyl ether** PROSYNTH® *Ether diméthylique du tétraéthylèneglycol / Eter dimetílico de tetraetilenglicol* $CH_3O(CH_2CH_2O)_4CH_3$ $C_{10}H_{22}O_5$ $M = 222,28$ g/mol 1 L ≈ 1,01 kg assay (GC) ..... 99% boiling range ..... 273—275 °C refractive index (n_D^{20}) 1,432	FL. 2908	100 ml	15,50	13,20	12,40	11,65
6264 35 3 1760 2	**Tetraethylenepentamine** *Tetraethylenepentamine / Tetraetilenpentamina* $(NH_2CH_2CH_2NHCH_2CH_2)_2NH$ $C_8H_{23}N_5$ $M = 189,30$ g/mol 1 L ≈ 1,00 kg boiling range (at 27 mbar) ..... 190—240 °C R: 34 S: 26 disposal: 19	PF. STP. 2922	1 L 25 kg	28,25 price on request	24,—	22,60	21,75
	Tetraethyl silicate see Ethyl silicate						

PEHANAL® universal indicator paper in rolls

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Box
61454 A 6.1/21E C 6.1 2811 3	**2,3,5,6-Tetrafluoroaniline** PROSYNTH® *2-3-5-6-Tétrafluoroaniline / 2,3,5,6-Tetrafluoroanilina* $C_6HF_4NH_2$ $C_6H_3F_4N$ M = 165,09 g/mol assay (GC) ..... 97 % melting range ..... 25 – 28 °C keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	FL. *2922*	1 g	22,25	18,90	17,80	16,7
61455 A 3/3 C 3.3 1993 2 +24 °C	**1,2,3,4-Tetrafluorobenzene** PROSYNTH® *1-2-3-4-Tétrafluorobenzène / 1,2,3,4-Tetrafluorobenceno* $C_6H_2F_4$ M = 150,08 g/mol assay (GC) ..... 93 % boiling range ..... 93 – 95 °C refractive index (n_D^{20}) ..... 1,407 R: 10 disposal: 7	FL. *2902*	1 g	18,50	15,75	14,80	13,9
	Tetrafluoroboric acid see Fluoroboric acid						
61025 A 6.1/23 C 6.1 2810 2	**2,2,3,3,-Tetrafluorocyclobutylmethanol** PROSYNTH® *2-2-3-3-Tétrafluorocyclobutylméthanol / 2,2,3,3-Tetrafluorociclobutilmetanol* $CH_2CF_2CF_2CHCH_2OH$ $C_5H_6F_4O$ M = 158,10 g/mol **1 L ≈ 1,41 kg** assay (GC) ..... 98 % boiling range ..... 154 – 156 °C	FL. *2905*	25 ml	63,–	53,55	50,40	47,2
61106 A 6.1/21E C 6.1 2810 2	**3-Tetrafluoroethoxyaniline** PROSYNTH® *3-Tétrafluoroéthoxyaniline / 3-Tetrafluoroetoxianilina* $C_6H_4(NH_2)(OCF_2CF_2H)$ $C_8H_7F_4NO$ M = 209,14 g/mol **1 L ≈ 1,38 kg** assay (GC) ..... 98 % boiling range (at 16 mbar) ..... 93 – 95 °C refractive index (n_D^{20}) ..... 1,466 R: 23/24/25-33 S: 28-36/37-44 disposal: 7	FL. *2923*	100 ml	95,–	80,75	76,–	71,2
61107	**2-Tetrafluoroethoxybenzaldehyde** PROSYNTH® *2-Tétrafluoroéthoxybenzaldéhyde / 2-Tetrafluoroetoxibenzaldehido* $C_6H_4(CHO)(OCF_2CF_2H)$ $C_9H_6F_4O_2$ M = 222,14 g/mol **1 L ≈ 1,39 kg** assay (GC) ..... 98 % boiling range (at 13 mbar) ..... 90 – 92 °C	FL. *2912*	25 ml	57,50	48,90	46,–	43,
61108	**3-Tetrafluoroethoxybenzaldehyde** PROSYNTH® *3-Tétrafluoroéthoxybenzaldéhyde / 3-Tetrafluoroetoxibenzaldehido* $C_6H_4(CHO)(OCF_2CF_2H)$ $C_9H_6F_4O_2$ M = 222,14 g/mol **1 L ≈ 1,39 kg** assay (GC) ..... 98 % boiling range (at 12 mbar) ..... 95 – 97 °C	FL. *2912*	25 ml	57,50	48,90	46,–	43,
61109	**4-Tetrafluoroethoxybenzaldehyde** PROSYNTH® *4-Tétrafluoroéthoxybenzaldéhyde / 4-Tetrafluoroetoxibenzaldehido* $C_6H_4(CHO)(OCF_2CF_2H)$ $C_9H_6F_4O_2$ M = 222,14 g/mol **1 L ≈ 1,39 kg** assay (GC) ..... 98 % boiling range (at 11 mbar) ..... 97 – 99 °C	FL. *2912*	25 ml	57,50	48,90	46,–	43,

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1096	**Tetrafluoroethoxybenzene** PROSYNTH® *Tétrafluoroéthoxybenzène / Tetrafluoroetoxibenceno* $C_6H_5OCF_2CF_2H$ $C_8H_6F_4O$ *M* = 194,13 g/mol **1 L ≈ 1,30 kg** assay ..... 98% boiling range ..... 145–147 °C refractive index (n_D^{20}) 1,422	FL. *2908*	100 ml	57,50	48,90	46,–	43,15
1111 8/22 8 1760 2	**4-Tetrafluoroethoxybenzenesulphonyl chloride** PROSYNTH® *4-Tétrafluoroéthoxybenzènesulfonyl chlorure / 4-Tetrafluoroetoxibencenosulfonil cloruro* $C_6H_4(SO_2Cl)(OCF_2CF_2H)$ $C_8H_5ClF_4O_3S$ *M* = 292,64 g/mol **1 L ≈ 1,57 kg** assay (ex Cl) ..... 95% boiling range (at 0,07 mbar) ..... 86–89 °C	FL. *2903*	100 ml	184,–	156,40	147,20	138,–
	Tetrafluoroethoxymethylbenzoate see Methyl-4-Tetrafluoroethoxybenzoate						
61113	**2-Tetrafluoroethoxynaphthalene** PROSYNTH® *2-Tétrafluoroéthoxynaphtalène / 2-Tetrafluoroetoxinaftaleno* $C_{10}H_7OCF_2CF_2H$ $C_{12}H_8F_4O$ *M* = 244,19 g/mol assay (GC) ..... 95% melting range ..... 28–30 °C	WG. *2908*	25 g	42,75	36,35	34,20	32,05
61102 A 6.1/21K C 6.1 * 1578 2	**2-Tetrafluoroethoxynitrobenzene** PROSYNTH® *2-Tétrafluoroéthoxynitrobenzène / 2-Tetrafluoroetoxinitrobenceno* $C_6H_4(NO_2)(OCF_2CF_2H)$ $C_8H_5F_4NO_3$ *M* = 239,13 g/mol **1 L ≈ 1,48 kg** assay (GC) ..... 98% boiling range (at 0,2 mbar) ..... 66–68 °C refractive index (n_D^{20}) 1,459	FL. *2908*	100 ml	102,50	87,15	82,–	76,90
61103 A 6.1/21K C 6.1 2810 2	**3-Tetrafluoroethoxynitrobenzene** PROSYNTH® *3-Tétrafluoroéthoxynitrobenzène / 3-Tetrafluoroetoxinitrobenceno* $C_6H_4(NO_2)(OCF_2CF_2H)$ $C_8H_5F_4NO_3$ *M* = 239,13 g/mol **1 L ≈ 1,48 kg** assay (GC) ..... 98% boiling range (at 0,3 mbar) ..... 72–74 °C	FL. *2908*	100 ml	102,50	87,15	82,–	76,90
61104 A 6.1/21K C 6.1 2811 2	**4-Tetrafluoroethoxynitrobenzene** PROSYNTH® *4-Tétrafluoroéthoxynitrobenzène / 4-Tetrafluoroetoxinitrobenceno* $C_6H_4(NO_2)(OCF_2CF_2H)$ $C_8H_5F_4NO_3$ *M* = 239,13 g/mol assay (GC) ..... 98% melting range ..... 43–45 °C	WG. *2908*	100 g	70,50	59,95	56,40	52,90
61105 A 6.1/21L C 6.1 2810 2	**2-Tetrafluoroethoxy-5-nitrotoluene** PROSYNTH® *2-Tétrafluoroéthoxy-5-nitrotoluène / 2-Tetrafluoroetoxi-5-nitrotolueno* $C_6H_3(CH_3)(OCF_2CF_2H)(NO_2)$ $C_9H_7F_4NO_3$ *M* = 253,15 g/mol **1 L ≈ 1,44 kg** assay (GC) ..... 95% boiling range (at 0,07 mbar) ..... 90–92 °C	FL. *2908*	100 ml	99,–	84,15	79,20	74,25
61098	**2-Tetrafluoroethoxytoluene** PROSYNTH® *2-Tétrafluoroéthoxytoluène / 2-Tetrafluoroetoxitolueno* $C_6H_4(CH_3)(OCF_2CF_2H)$ $C_9H_8F_4O$ *M* = 208,16 g/mol **1 L ≈ 1,26 kg** assay (GC) ..... 98% boiling range (at 19 mbar) ..... 58–60 °C	FL. *2908*	100 ml	87,50	74,40	70,–	65,65

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61099	**3-Tetrafluoroethoxytoluene** PROSYNTH® *3-Tétrafluoroéthoxytoluène / 3-Tetrafluoroetoxitolueno* $C_6H_4(CH_3)(OCF_2CF_2H)$ $C_9H_8F_4O$ $M = 208,16$ g/mol **1 L ≈ 1,33 kg** assay (GC) ..... 98 % boiling range (at 17 mbar) ..... 57–59 °C refractive index (n_D^{20}) 1,423	FL. *2908*	100 ml	91,50	77,80	73,20	6
61100	**4-Tetrafluoroethoxytoluene** PROSYNTH® *4-Tétrafluoroéthoxytoluène / 4-Tetrafluoroetoxitolueno* $C_6H_4(CH_3)(OCF_2CF_2H)$ $C_9H_8F_4O$ $M = 208,16$ g/mol **1 L ≈ 1,25 kg** assay (GC) ..... 98 % boiling range (at 19 mbar) ..... 67–69 °C	FL. *2908*	100 ml	86,50	73,55	69,20	6
61112	**N-Tetrafluoroethyl-N-methylbenzene sulphonamide** PROSYNTH® *N-Tétrafluoroéthyl-N-méthylbenzène sulfonamide / N-Tetrafluoroetil-N-metilbenceno sulfonamida* $C_6H_5SO_2N(CH_3)CF_2CF_2H$ $C_9H_9F_4NO_2S$ $M = 271,24$ g/mol **1 L ≈ 1,44 kg** assay (GC) ..... 97 % boiling range (at 21 mbar) ..... 146–148 °C	WG. *2936*	25 ml	60,—	51,—	48,—	4
61027 A 6.1/62 C 6.1 2810 3	**Tetrafluoroethyl methyl ether** PROSYNTH® *Tétrafluoroéthylméthyléther / Tetrafluoroetilmetileter* $HCF_2CF_2OCH_3$ $C_3H_4F_4O$ $M = 132,06$ g/mol **1 L ≈ 1,30 kg** assay ..... 98 % boiling range ..... 33–35 °C keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 36/37/38 S: 26 disposal: 7	FL. *2908*	100 ml	83,50	71,—	66,80	6
61145 A 6.1/12 C 6.1 2810 2	**2,2,3,3-Tetrafluoropropanol** PROSYNTH® *2-2-3-3-Tétrafluoropropanol / 2,2,3,3-Tetrafluoropropanol* $CHF_2CF_2CH_2OH$ $C_3H_4F_4O$ $M = 132,06$ g/mol **1 L ≈ 1,47 kg** assay (GC) ..... 90 % boiling range ..... 107–109 °C refractive index (n_D^{20}) 1,321	FL. *2904*	10 ml	26,25	22,30	21,—	1
63757 A 3/4 C 3.3 2498 3 +57 °C	**1,2,3,6-Tetrahydrobenzaldehyde** PROSYNTH® *1-2-3-6-Tétrahydrobenzaldéhyde / 1,2,3,6-Tetrahidrobenzaldehido* $CH_2CH_2CH=CHCH_2CHCHO$ $C_7H_{10}O$ $M = 110,16$ g/mol **1 L ≈ 0,97 kg** assay (GC) ..... 99 % boiling range ..... 162–164 °C refractive index (n_D^{20}) ..... 1,475 keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 10 disposal: 14	FL. *2911*	100 ml	11,—	9,35	8,80	

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1709 3/5 3 1 2056 2 °C	**Tetrahydrofuran** R. G. *Tétrahydrofuranne / Tetrahidrofurano* $\underbrace{CH_2(CH_2)_3O}$ C_4H_8O $M = 72{,}11$ g/mol **1 L ≈ 0,88 kg** assay (GC) ..... min. 99% boiling range ..... 64–66 °C density (D_4^{20}) ..... 0,887–0,889 refractive index (n_D^{20}) ..... 1,4070–1,4080 non-volatile matter ..... max. 0,002% water (according to Karl Fischer) ..... max. 0,1% R: 11-19-36/37 S: 16-29-33 disposal: 6	FL. *2935*	1 L	27,75	23,60	21,65	20,55
4946 3/5 3 1 2056 2 4 °C	**Tetrahydrofuran** R. G. dried (max. 0,01% H_2O) *Tétrahydrofuranne / Tetrahidrofurano* $\underbrace{CH_2(CH_2)_3O}$ C_4H_8O $M = 72{,}11$ g/mol **1 L ≈ 0,88 kg** assay (GC) ..... min. 99% boiling range ..... 64–66 °C density (D_4^{20}) ..... 0,887–0,889 refractive index (n_D^{20}) ..... 1,4070–1,4080 non-volatile matter ..... max. 0,002% water (according to Karl Fischer) ..... max. 0,01% R: 11-19-36/37 S: 16-29-33 disposal: 6	FL. *2935*	1 L	43,75	37,20	35,–	33,70
34928 A 3/5 C 3.1 2056 2 24 °C	**Tetrahydrofuran** SPECTRANAL® *Tétrahydrofuranne / Tetrahidrofurano* $\underbrace{CH_2(CH_2)_3O}$ C_4H_8O $M = 72{,}11$ g/mol **1 L ≈ 0,88 kg** assay (GC) ..... min. 99,7% non-volatile matter ..... max. 0,001% water (according to Karl Fischer) ..... max. 0,1% free acid (as CH_3COOH) ..... max. 0,001% peroxides (as H_2O_2) ..... max. 0,005% suitability for UV-spectroscopy transmittance (1 cm cell; reference: water) transmittance/wavelength (nm): min. 25%/245, min. 50%/250, min. 70%/260, min. 90%/280, min. 95%/300, min. 98%/from 310 suitability for IR spectroscopy ..... passes test R: 11-19-36/37 S: 16-29-33 disposal: 6	FL. *2935*	500 ml	45,–	38,25	36,–	34,65
34865 A 3/5 C 3.1 2056 2 -24 °C	**Tetrahydrofuran** CHROMASOLV® for chromatography (UV-detection) *Tétrahydrofuranne / Tetrahidrofurano* $\underbrace{CH_2(CH_2)_3O}$ C_4H_8O $M = 72{,}11$ g/mol **1 L ≈ 0,88 kg** assay (GC) ..... min. 99,7% non-volatile matter ..... max. 0,001% water (according to Karl Fischer) ..... max. 0,1% free acid (as CH_3COOH) ..... max. 0,001% peroxides (as H_2O_2) ..... max. 0,005% transmittance (1 cm cell; reference water) transmittance/wavelength (nm): min. 20%/245, min. 80%/270, min. 98%/from 310 R: 11-19-36/37 S: 16-29-33 disposal: 6	FL. *2935*	1 L	75,50	64,20	60,40	58,15

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34493	**Tetrahydrofuran** PESTANAL®	FL.	1 L	40,25	34,20	32,20	31,
A 3/5	*Tétrahydrofuranne / Tetrahidrofurano*	FL.	2,5 L	87,—	72,20	67,85	65,
C 3.1 2056 2	$\underbrace{CH_2(CH_2)_3O}$	*2935*					
-24 °C	C_4H_8O $M = 72{,}11$ g/mol **1 L ≈ 0,88 kg**						
	suitability for residue analysis: Traceable accompanying substances (GC/ECD) (column 0,5 m, glass capillary Ø 3 mm Silicon TLC 200 on Chromosorb® 100/200) show in the retention volum zones between Pentachlorobenzene, α-HCH, Aldrin and DDT a peak of $< 5 \cdot 10^{-10}$ % ≙ 5 ng/l.						
	R: 11-19-36/37 S: 16-29-33 disposal: 6						
16212	**Tetrahydrofuran**	FL.	1 L	25,—	21,25	20,—	19,
A 3/5	*Tétrahydrofuranne / Tetrahidrofurano*	FL.	2,5 L	52,50	43,60	40,95	39,
C 3.1 2056 2	$\underbrace{CH_2(CH_2)_3O}$	EKL.	25 kg	price on request			
-24 °C	C_4H_8O $M = 72{,}11$ g/mol **1 L ≈ 0,88 kg**	F.	180 kg	price on request			
	assay (GC) ..... 99,5 %	*2935*					
	boiling range ..... 64—66 °C						
	density (D_4^{20}) ..... 0,887—0,889						
	refractive index (n_D^{20}) ..... 1,4070—1,4090						
	R: 11-19-36/37 S: 16-29-33 disposal: 6						
	Tetrahydrofurandion-(2,5) see Succinic anhydride						
33712	**Tetrahydrofurfuryl alcohol** R. G.	FL.	1 L	36,—	30,60	28,80	27,
C ./.FLP73	*Alcool tétrahydrofurfurylique / Alcohol tetrahidrofurfurílico*	*2935*					
+73 °C	$\underbrace{O(CH_2)_3CHCH_2OH}$						
	$C_5H_{10}O_2$ $M = 102{,}13$ g/mol **1 L ≈ 1,05 kg**						
	assay (GC) ..... min. 99 %						
	boiling range ..... 175—178 °C						
	density (D_4^{20}) ..... 1,052—1,055						
	refractive index (n_D^{20}) ..... 1,4510—1,4530						
65100	**Tetrahydrofurfuryl chloride** PROSYNTH®	FL.	25 ml	28,50	24,25	22,80	21,
A 3/3	*Tétrahydrofurfuryle chlorure / Tetrahidrofurfurilo cloruro*	*2935*					
C 3.3 1993 2	$\underbrace{O(CH_2)_3CHCH_2Cl}$						
+45 °C	C_5H_9ClO $M = 120{,}58$ g/mol **1 L ≈ 1,11 kg**						
	assay (GC) ..... 99 %						
	boiling range (at 15 mbar) ..... 41—43 °C						
	refractive index (n_D^{20}) 1,457						
63076	**2+3-(Tetrahydrofurfuryloxy)tetrahydropyran** PROSYNTH®	FL.	100 ml	61,50	52,30	49,20	46
A 3/4	*2+3-(Tétrahydrofurfuryloxy)tétrahydropyranne /*	*2935*					
+98 °C	*2+3-(Tetrahidrofurfuriloxi)tetrahidropirano*						
	$C_{10}H_{18}O_3$ $M = 186{,}25$ g/mol **1 L ≈ 1,05 kg**						
	assay (GC) ..... 96 %						
	boiling range ..... 235—238 °C						
	refractive index (n_D^{20}) 1,465						
63077	**1,2,3,4-Tetrahydroisoquinoline** PROSYNTH®	FL.	50 ml	26,25	22,30	21,—	19
	1-2-3-4-Tétrahydroisoquinoléine / 1,2,3,4-Tetrahidroisoquinolina	*2935*					
	$\underbrace{C_6H_4CH_2NHCH_2CH_2}$						
	$C_9H_{11}N$ $M = 133{,}19$ g/mol **1 L ≈ 1,04 kg**						
	assay (GC) ..... 96 %						
	boiling range ..... 231—233 °C						
	refractive index (n_D^{20}) 1,567						

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33713 A 3/4 +77 °C	**1,2,3,4-Tetrahydronaphthalene** R. G. *1-2-3-4-Tétrahydronaphtalène / 1,2,3,4-Tetrahidronaftaleno* $C_6H_4(CH_2)_3CH_2$ $C_{10}H_{12}$ M = 132,20 g/mol **1 L ≈ 0,96 kg** assay (GC) ..... min. 98 % boiling range ..... 204-207 °C density (D_4^{20}) ..... 0,966-0,971 refractive index (n_D^{20}) ..... 1,5402-1,5417 water (according to Karl Fischer) ..... max. 0,05 %	FL. *2901*	500 ml	56,—	47,60	44,80	43,10
24250 A 3/4 +77 °C	**1,2,3,4-Tetrahydronaphthalene** *1-2-3-4-Tétrahydronaphtalène / 1,2,3,4-Tetrahidronaftaleno* $C_6H_4(CH_2)_3CH_2$ $C_{10}H_{12}$ M = 132,20 g/mol **1 L ≈ 0,96 kg** assay (GC) ..... 98 % boiling range ..... 204—207 °C density (D_4^{20}) ..... 0,966—0,971 refractive index (n_D^{20}) ..... 1,5402—1,5417 water (according to Karl Fischer) ..... 0,05 %	FL. FL. EKL. *2901*	1 L 2,5 L 25 kg	19,75 42,— price on request	16,80 34,85	15,80 32,75	15,20 31,50
63078	***cis*-1,2,3,6-Tetrahydrophthalic anhydride** PROSYNTH® *Anhydride cis-1-2-3-6-tétrahydrophtalique / Anhídrido cis-1,2,3,6-tetrahidroftálico* $C_8H_8O_3$ M = 152,15 g/mol assay (ex anhydride) ..... 98 % melting range ..... 99—101 °C R: 36/37 S: 25 disposal: 6	PF. *2915*	1 kg	26,75	22,75	21,40	20,60
63079 A 3/1A C 3.2 1993 2 -17 °C	**Tetrahydropyran** PROSYNTH® *Tétrahydropyranne / Tetrahidropirano* $O(CH_2)_4CH_2$ $C_5H_{10}O$ M = 86,13 g/mol **1 L ≈ 0,89 kg** assay (GC) ..... 98 % boiling range ..... 86—88 °C refractive index (n_D^{20}) ..... 1,420 R: 11 S: 9-16-33 disposal: 6	FL. *2935*	100 ml	16,—	13,60	12,80	12,—
63075	**1,2,3,4-Tetrahydroquinoline** PROSYNTH® *1-2-3-4-Tétrahydroquinoléine / 1,2,3,4-Tetrahidroquinolina* $C_6H_4NHCH_2CH_2CH_2$ $C_9H_{11}N$ M = 133,19 g/mol **1 L ≈ 1,06 kg** assay (GC) ..... 97 % boiling range ..... 249—251 °C refractive index (n_D^{20}) 1,593	FL. *2935*	100 ml	52,50	44,65	42,—	39,40
63080 A 3/1A C 3.2 1993 2 +12 °C	**Tetrahydrothiophene** PROSYNTH® *Tétrahydrothiophène / Tetrahidrotiofeno* $S(CH_2)_3CH_2$ C_4H_8S M = 88,17 g/mol **1 L ≈ 1,00 kg** assay (GC) ..... 98 % boiling range ..... 119—121 °C refractive index (n_D^{20}) ..... 1,503 R: 11 S: 9-16-33 disposal: 15	FL. *2935*	250 ml	24,—	20,40	19,20	18,—
33714	**1,2,5,8-Tetrahydroxyanthraquinone** R. G. *1-2-5-8-Tétrahydroxyanthraquinone / 1,2,5,8-Tetrahidroxiantraquinona* $COC_6H_2(OH)_2COC_6H_2(OH)_2$ $C_{14}H_8O_6$ M = 272,21 g/mol	WG. WG. *2913*	25 g 100 g	20,25 68,50	17,20 58,25	16,20 54,80	15,20 51,40

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33748	**1,4-Tetrahydroxybenzoquinone dihydrate** R. G. *Tétrahydroxybenzoquinone-(1-4) dihydrate / Tetrahidroxibenzoquinona-(1,4) dihidrato* $OC_6(OH)_4O \cdot 2H_2O$ $C_6H_4O_6 \cdot 2H_2O$ $M = 208{,}12$ g/mol assay ..... min. 99% sulphated ash ..... max. 0,1% suitability for Ba-proof ..... passes test	WG. *2913*	5 g	34,—	28,90	27,20	25,5
	5,7,2',4'-Tetrahydroxy-3,4-dioxoflavon see Morin						
65078 A 6.1/62 C 6.1 2811 3	**Tetraiodomethane** PROSYNTH® *Tétraiodométhane / Tetrayodometano* CJ_4 $M = 519{,}63$ g/mol assay (ex J) ..... 97% melting range ..... 164—166 °C (disint.) keep in refrigerator à stocker dans le refrigidaire almacenaje en la nevera R: 20/21/22 S: 28 disposal: 13	FL. *2902*	10 g	40,50	34,45	32,40	30,4
65079 A 6.1/13C C 6.1 2020 3	**Tetraiodothiophene** PROSYNTH® *Tétraiodothiophène / Tetrayodotiofeno* $SCJ=CJCJ=CJ$ C_4J_4S $M = 587{,}73$ g/mol assay 97%	FL. *2935*	1 g	18,—	15,30	14,40	13,5
	Tetrakis-[pentandionato-(2,4)]-zirconium(IV) see Zirconium(IV) acetylacetonate						
	Tetralin see 1,2,3,4-Tetrahydronaphthalene						
64349	**α-Tetralol** PROSYNTH® *α-Tétralol / α-Tetralol* $C_6H_4(CH_2)_3CHOH$ $C_{10}H_{12}O$ $M = 148{,}21$ g/mol assay ..... 97% melting range ..... 29—32 °C	WG. *2906*	10 g	47,50	40,40	38,—	35,1
63081	**α-Tetralone** PROSYNTH® *α-Tétralone / α-Tetralona* $C_6H_4(CH_2)_3CO$ $C_{10}H_{10}O$ $M = 146{,}19$ g/mol **1 L ≈ 1,09 kg** assay (GC) ..... 98% boiling range ..... 254—256 °C refractive index (n_D^{20}) 1,568	FL. *2913*	100 ml	40,25	34,20	32,20	30,6
64858	**Tetramethylammonium chloride** PROSYNTH® *Tétraméthylammonium chlorure / Tetrametilamonio cloruro* $(CH_3)_4NCl$ $C_4H_{12}ClN$ $M = 109{,}60$ g/mol assay (ex Cl) 98%	WG. *2924*	250 g	30,75	26,15	24,60	23,4
65101 C 8 1719 2	**Tetramethylammonium hydroxide solution** 25% in water PROSYNTH® *Tétraméthylammonium hydroxyde en solution / Tetrametilamonio hidróxido en solución* $(CH_3)_4N(OH)$ $C_4H_{13}NO$ $M = 91{,}15$ g/mol **1 L ≈ 1,01 kg** assay (acimetric) ..... 25% R: 36/37/38 S: 2-26 disposal: 3	FL. *2924*	100 ml	19,75	16,80	15,80	14,9

refer explanations

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
61359	**Tetramethylammonium tetrafluoroborate** PROSYNTH® *Tétraméthylammonium tétrafluoroborate / Tetrametilamonio tetrafluoroborato* $(CH_3)_4N(BF_4)$ $C_4H_{12}BF_4N$ $M = 160,95$ g/mol assay 98%	PF. *2924*	25 g	46,—	39,10	36,80	34,50
63083	**1,2,4,5-Tetramethylbenzene** PROSYNTH® *1-2-4-5-Tétraméthylbenzène / 1,2,4,5-Tetrametilbenceno* $(CH_3)_4C_6H_2$ $C_{10}H_{14}$ $M = 134,22$ g/mol assay (GC) ..... 98% melting range ..... 78—80 °C	PF. *2901*	250 g	54,—	45,90	43,20	40,50
64859	**Tetramethyl-1,4-benzoquinone** PROSYNTH® *Tétraméthyl-1-4-benzoquinone / Tetrametil-1,4-benzoquinona* $\underbrace{COC(CH_3)=C(CH_3)COC(CH_3)=C}CH_3$ $C_{10}H_{12}O_2$ $M = 164,20$ g/mol assay (GC) ..... 98% melting range ..... 110—112 °C	WG. *2913*	5 g	66,50	56,55	53,20	49,90
	Tetramethylene bromide see 1,4-Dibromobutane						
63084 A 8/35 C 8 1760 2	**Tetramethylenediamine** PROSYNTH® *Tétraméthylènediamine / Tetrametilendiamina* $NH_2(CH_2)_4NH_2$ $C_4H_{12}N_2$ $M = 88,15$ g/mol **1 L ≈ 0,88 kg** assay (GC) ..... 97% melting range ..... 25—28 °C	FL. *2922*	100 ml	28,50	24,25	22,80	21,40
	Tetramethylene sulphide see Tetrahydrothiophene						
60278	**Tetramethylene sulphone** PROSYNTH® *Tétraméthylène sulfone / Tetrametileno sulfón* $\underbrace{CH_2CH_2CH_2CH_2S}O_2$ $C_4H_8O_2S$ $M = 120,17$ g/mol **1 L ≈ 1,27 kg** assay (GC) ..... 97% boiling range ..... 283—285 °C refractive index (n_D^{20}) ..... 1,4770—1,4790	FL. *2931*	500 ml	43,75	37,20	35,—	33,70
63082 A 3/5 C 3.2 1993 2 +18 °C	**N,N,N',N'-Tetramethylethylenediamine** PROSYNTH® *N-N-N'-N'-Tétraméthyléthylènediamine / N,N,N',N'-Tetrametiletilendiamina* $(CH_3)_2NCH_2CH_2N(CH_3)_2$ $C_6H_{16}N_2$ $M = 116,21$ g/mol **1 L ≈ 0,78 kg** assay (GC) ..... 99% boiling range ..... 118—120 °C refractive index (n_D^{20}) ..... 1,418 R: 11-36/37 S: 16-26-29 disposal: 19	FL. *2922*	100 ml	13,—	11,05	10,40	9,75
	Tetramethylethylene glycol see 2,3-Dimethylbutanediol-(2,3)						
63085 A 8/35 C 8 1760 2 +60 °C	**N,N,N',N'-Tetramethylguanidine** PROSYNTH® *N-N-N'-N'-Tétraméthylguanidine / N,N,N',N'-Tetrametilguanidina* $(CH_3)_2NC(=NH)N(CH_3)_2$ $C_5H_{13}N_3$ $M = 115,18$ g/mol **1 L ≈ 0,92 kg** assay (GC) ..... 97% boiling range (at 15 mbar) ..... 51—53 °C refractive index (n_D^{20}) ..... 1,469 keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	FL. *2926*	100 ml	29,50	25,10	23,60	22,15

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65074 A 3/3 C 3.3 1993 2 +24 °C	**Tetramethyl orthocarbonate** PROSYNTH® *Tétraméthyl orthocarbonate / Tetrametil ortocarbonato* $C(OCH_3)_4$ $C_5H_{12}O_4$ $M = 136{,}15$ g/mol **1 L ≈ 1,02 kg** assay (GC) ..... 98% boiling range ..... 112–114 °C refractive index (n_D^{20}) ..... 1,385 R: 10 disposal: 6	FL. *2921*	25 ml	38,75	32,95	31,—	29,(
64861 A 6.1/21H C 6.1 2811 3	**N,N,N',N'-Tetramethyl-p-phenylenediammonium dichloride** PROSYNTH® *N-N-N'-N'-Tétraméthyl-p-phénylènediammonium dichlorure / N,N,N',N'-Tetrametil-p-fenilendiamonio dicloruro* $(CH_3)_2NC_6H_4N(CH_3)_2 \cdot 2HCl$ $C_{10}H_{18}Cl_2N_2$ $M = 237{,}17$ g/mol type analyse assay (ex Cl) ..... 98% melting range ..... 223–225 °C (disint.) R: 20/21/22 S: 28 disposal: 7	WG. *2924*	10 g	46,25	39,30	37,—	34,7
33711 A 3/1A C 3.2 1993 2 -1 °C	**Tetramethylsilane** gauging substance for NMR *Tétraméthylsilane / Tetrametilsilano* $(CH_3)_4Si$ $C_4H_{12}Si$ $M = 88{,}22$ g/mol **1 L ≈ 0,64 kg** keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 15-17 S: 24/25-43A disposal: 6	FL. *2934*	25 ml	28,50	24,25	22,80	21,(
65102	**Tetramethylthiourea** PROSYNTH® *Tétraméthylthiourée / Tetrametiltiourea* $(CH_3)_2NCSN(CH_3)_2$ $C_5H_{12}N_2S$ $M = 132{,}23$ g/mol assay (ex S) ..... 97% melting range ..... 76–78 °C	WG. *2931*	10 g	8,50	7,25	6,80	6,(
60479 A 6.1/81F2 C 6.1 2810 1	**Tetramethyltin** PROSYNTH® *Tetraméthylétain / Tetrametilestaño* $(CH_3)_4Sn$ $C_4H_{12}Sn$ $M = 178{,}83$ g/mol **1 L ≈ 1,30 kg** assay (GC) ..... 99% boiling range ..... 73–75 °C refractive index (n_D^{20}) ..... 1,441 R: 23/24/25 S: 2-13-44 disposal: 10	FL. *2934*	25 ml	165,—	140,25	132,—	123,7
64860	**Tetramethylurea** PROSYNTH® *Tétraméthylurée / Tetrametilurea* $(CH_3)_2NCON(CH_3)_2$ $C_5H_{12}N_2O$ $M = 116{,}16$ g/mol **1 L ≈ 0,97 kg** assay (GC) ..... 99% boiling range ..... 175–177 °C refractive index (n_D^{20}) 1,451	FL. FL. *2925*	100 ml 250 ml	18,75 38,25	15,95 32,50	15,— 30,60	14,(28,7
09074	**Tetramethylurea-d_{12}** deuteration degree not less than 99 atom % D *Tétraméthylurée-d_{12} / Tetrametilurea-d_{12}* $(CD_3)_2NCON(CD_3)_2$ $C_5D_{12}N_2O$ $M = 128{,}07$ g/mol **1 L ≈ 1,05 kg**	A. *2851*	1 ml	94,—	79,90	75,20	70,5

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33758 A 6.1/52A C 6.1 1557 2	**Tetraphenylarsonium chloride monohydrate** R. G. *Tétraphénylarsonium chlorure monohydrate / Tetrafenilarsonio cloruro monohidrato* $(C_6H_5)_4AsCl \cdot H_2O$ $C_{24}H_{20}AsCl \cdot H_2O$ $M = 436{,}81$ g/mol assay ..... min. 99% water (according to Karl Fischer) ..... 3,9–4,4% sulphated ash ..... max. 0,2% lead (Pb) ..... max. 0,001% iron (Fe) ..... max. 0,001% copper (Cu) ..... max. 0,001% R: 23/25 S: 1/2-20/21-28-44 disposal: 10	WG. *2934*	5 g	36,75	31,25	29,40	27,55
	Tetraphenylborateboron, sodium see Kalignost®						
63088	**Tetraphenylcyclopentadiene-(2,4)-on-(1)** PROSYNTH® *Tétraphénylcyclopentadiène-(2-4)-on-(1) / Tetrafenilciclopentadieno-(2,4)-on-(1)* $C_6H_5C{=}C(C_6H_5)C(C_6H_5){=}C(C_6H_5)CO$ $C_{29}H_{20}O$ $M = 384{,}48$ g/mol assay ..... 98% melting range ..... 219–221 °C	WG. *2913*	10 g	29,50	25,10	23,60	22,15
63086	**Tetraphenylethanediol-(1,2)** PROSYNTH® *Tétraphényléthanediol-(1-2) / Tetrafeniletanodiol-(1,2)* $(C_6H_5)_2COHCOH(C_6H_5)_2$ $C_{26}H_{22}O_2$ $M = 366{,}46$ g/mol assay 98%	WG. *2905*	100 g	103,50	88,–	82,80	77,65
63087	**Tetraphenylethylene** PROSYNTH® *Tétraphényléthylène / Tetrafeniletileno* $(C_6H_5)_2C{=}C(C_6H_5)_2$ $C_{26}H_{20}$ $M = 332{,}44$ g/mol assay (HPLC) ..... 98% melting range ..... 222–224 °C	WG. *2901*	10 g	47,–	39,95	37,60	35,25
16266	**Tetraphenylphosphonium bromide** *Tétraphénylphosphonium bromure / Tetrafenilfosfonio bromuro* $(C_6H_5)_4PBr$ $C_{24}H_{20}BrP$ $M = 419{,}30$ g/mol	WG. *2934*	25 g	32,75	27,85	26,20	24,55
64864	**Tetraphenylphosphonium chloride** PROSYNTH® *Tétraphénylphosphonium chlorure / Tetrafenilfosfonio cloruro* $(C_6H_5)_4PCl$ $C_{24}H_{20}ClP$ $M = 374{,}85$ g/mol assay (ex Cl) ..... 98% melting range ..... 264–266 °C (disint.)	WG. *2934*	10 g	52,50	44,65	42,–	39,40
63089 A 6.1/81F2 C 6.1 2811 2	**Tetraphenyltin** PROSYNTH® *Tétraphénylétain / Tetrafenilestaño* $(C_6H_5)_4Sn$ $C_{24}H_{20}Sn$ $M = 427{,}11$ g/mol assay (ex Sn) ..... 98% melting range ..... 226–228 °C R: 23/24/25 S: 2-13-44 disposal: 10	PF. *2934*	100 g	55,50	47,20	44,40	41,65
	3a,4,7,7a-Tetraphydro-4,7-methanoindene see Dicyclopentadiene						

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64865 A 3/4 +63 °C	**Tetrapropyl orthotitanate** PROSYNTH® *Tétrapropyle orthotitanate / Tetrapropilo ortotitanato* $(CH_3CH_2CH_2O)_4Ti$ $C_{12}H_{28}O_4Ti$ $M = 284{,}25$ g/mol	FL. *2921*	100 ml	22,75	19,35	18,20	17,0
64866 A 3/4 +63 °C	**Tetra-*iso*-propyl orthotitanate** PROSYNTH® *Tétra-iso-propyle orthotitanate / Tetra-iso-propilo ortotitanato* $[CH_3)_2CHO]_4Ti$ $C_{12}H_{28}O_4Ti$ $M = 284{,}25$ g/mol **1 L ≈ 0,96 kg** assay (ex Ti) ..... 97 % boiling range (ex 13 mbar) ..... 216—218 °C refractive index (n_D^{20}) 1,465	FL. *2921*	100 ml	17,—	14,45	13,60	12,7
	Tetrasodium diphosphate see *tetra*-Sodium diphosphate						
35782	**Tetrasul** min. 99 % PESTANAL® (2,4,5,4'-Tetrachlorodiphenyl sulfide) $Cl_3C_6H_2SC_6H_4Cl$ $C_{12}H_6Cl_4S$ $M = 324{,}06$ g/mol	FL. *2931*	1 g	28,25	24,—	22,60	21,1
63764	**Tetravinyltin** PROSYNTH® *Tétravinylétain / Tetravinilestaño* $(CH_2=CH)_4Sn$ $C_8H_{12}Sn$ $M = 226{,}88$ g/mol assay (GC) ..... 98 %	FL. *2931*	100 ml	price on request			
	Tetrazolium chloride blue see BTC						
	Tetrazolonimide see 5-Aminotetrazole monohydrate						
	Tetrene see Tetraethylenepentamine						
14763 A 6.1/54 C 6.1 *1707 2	**Thallium** *Thallium / Talio* Tl $M = 204{,}37$ g/mol assay ..... 99,9 % R: 26/28-33 S: 2-13-28-45 disposal: 10	BL. *8104*	100 g	60,—	51,—	48,—	45,—
38634 A 6.1/54 C 6.1 1707 2	**0,100 g Thallium** FIXANAL® water-soluble standard for atom absorption *0,100 g Thallium / 0,100 g Talio* ampoule R: 25-36/38 S: 25-44 disposal: 10	*3819*	1 pack	10,25	8,70	8,20	7,—
38577 A 6.1/54 C 6.1 1707 2	**1,00 g Thallium** FIXANAL® watersoluble standard for atom absorption *1,00 g Thallium / 1,00 g Talio* ampoule R: 25-36/38 S: 25-44 disposal: 10	*3819*	1 pack	10,25	8,70	8,20	7,—
14765 A 6.1/54 C 6.1 1707 2	**Thallium(I) acetate** *Thallium(I) acétate / Talio(I) acetato* CH_3COOTl $C_2H_3O_2Tl$ $M = 263{,}41$ g/mol R: 26/28-33 S: 2-13-28-45 disposal: 10	WG. WG. *2914*	25 g 100 g	38,25 130,—	32,50 110,50	30,60 104,—	28,— 97,—

refer explanations

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64867 A 6.1/54 C 6.1 1707 2	**Thallium(III) acetate sesquihydrate** PROSYNTH® *Thallium(III) acétate sesquihydrate / Talio(III) acetato sesquihidrato* $(CH_3COO)_3Tl \cdot 1^1/_2H_2O$ $C_6H_9O_6Tl \cdot 1^1/_2\ H_2O$ *M* = 408,53 g/mol assay ..... 97% melting range (disint.) ..... 180–182 °C R: 26/28-33 S: 2-13-28-45 disposal: 10	WG. *2914*	25 g	61,50	52,30	49,20	46,15
17809 A 6.1/54 C 6.1 1707 2	**Thallium(I) bromide** PURANAL® *Thallium(I) bromure / Talio(I) bromuro* TlBr *M* = 284,27 g/mol analytical data on request R: 26/28-33 S: 2-13-28-45 disposal: 10	WG. *2830*	100 g	price on request			
17810 A 6.1/54 C 6.1 1707 2	**Thallium(I) chloride** PURANAL® *Thallium(I) chlorure / Talio(I) cloruro* TlCl *M* = 239,82 g/mol analytical data on request R: 26/28-33 S: 2-13-28-45 disposal: 10	PF. *2830*	100 g	price on request			
10458 A 6.1/54 C 6.1 1707 2	**Thallium(III) oxide** *Thallium(III) oxyde / Talio(III) óxido* Tl_2O_3 *M* = 456,74 g/mol assay ..... 99% R: 26/28-33 S: 2-13-28-45 disposal: 10	WG. *2828*	10 g	52,50	44,65	42,–	39,40
17811 A 6.1/54 C 6.1 1707 2	**Thallium(I) iodide** PURANAL® *Thallium(I) iodure / Talio(I) yoduro* TlJ *M* = 331,27 g/mol analytical data on request R: 26/28-33 S: 2-13-28-45 disposal: 10	WG. *2830*	100 g	price on request			
14772 A 6.1/54 C 5.1 1477 2	**Thallium(I) nitrate** *Thallium(I) nitrate / Talio(I) nitrato* $TlNO_3$ *M* = 266,37 g/mol R: 26/28-33 S: 2-13-28-45 disposal: 10	WG. *2839*	100 g	58,–	49,30	46,40	43,50
14773 A 6.1/54 C 6.1 1707 2	**Thallium(I) sulphate** *Thallium(I) sulfate / Talio(I) sulfato* Tl_2SO_4 *M* = 504,80 g/mol assay ..... 99,5% loss on drying (105 °C) ..... 0,1% substances not precipitated by hydrogen iodide (as sulphates) ..... 0,1% R: 26/28-33 S: 2-13-28-45 disposal: 10	PF. PF. PF. *2838*	100 g 500 g 1 kg	17,50 72,50 133,–	14,90 61,65 113,05	14,– 58,– 106,40	13,15 55,85 102,40
61361 A 6.1/54 C 6.1 1707 2	**Thallium(III) trifluoroacetate** PROSYNTH® *Thallium(III) trifluoroacétate / Talio(III) trifluoroacetato* $(CF_3COO)_3Tl$ $C_6F_9O_6Tl$ *M* = 543,42 g/mol R: 26/27/28 S: 1/2-13-45 disposal: 10	WG. *2914*	10 g	32,75	27,85	26,20	24,55

Code Number
A) RID/ADR
B) GGVE/GGVS
C) IMDG-CODE (GGVSee)

Code Number		Type of package RTA	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)
33760	**1-[Thenoyl-(2')]-3,3,3-trifluoroacetone** R. G. *1-[Thénoyl-(2')]-3-3-3-trifluoroacétone / 1-[Tenoil-(2')]-3,3,3-trifluoroacetona* $\underbrace{SCH=CHCH=C}$COCH$_2$COCF$_3$ $C_8H_5F_3O_2S$ M = 222,19 g/mol assay ..... min. 99% melting range ..... 40–45 °C sulphated ash ..... max. 0,05% iron (Fe) ..... max. 0,0005% heavy metals (as Pb) ..... max. 0,001%	WG. 2931	100 g	100,–	85,–	80,–
61381	**1-[Thenoyl-(2')]-3,3,3-trifluoroacetone** PROSYNTH® *1-[Thenoyle-(2')]-3-3-3-trifluoroacetone / 1-[Tenoil-(2')]-3,3,3-trifluoroacetona* $\underbrace{SCH=CHCH=C}$COCH$_2$COCF$_3$ $C_8H_5F_3O_2S$ M = 222,19 g/mol assay (GC) ..... 99% melting range ..... 41–43 °C	WG. 2931	100 g	70,–	59,50	56,–
35802	**Thiabendazole** min. 99% PESTANAL® (2-[4-Thiazolyl]-benzimidazole) $C_{10}H_7N_3S$ M = 201,25 g/mol	FL. 2935	1 g	28,25	24,–	22,60
	Thiacetic acid see Thioacetic acid					
39221	**Thiaminium dichloride** BIOSYNTH® *Thiamine dichlorure / Tiamina dicloruro* $C_{12}H_{18}Cl_2N_4OS$ M = 337,27 g/mol assay 98,5%	PF. 2935	50 g	24,75	21,05	19,80
39447	**Thiaminium pyrophosphoric acid** BIOSYNTH® *Acide thiaminium pyrophosphorique / Acido tiaminio pirofosfórico* $C_{12}H_{18}N_4O_7P_2S \cdot 4H_2O$ M = 496,37 g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	FL. 2935	1 g	10,50	8,95	8,40
64870	**Thianthrene** PROSYNTH® *Thianthrène / Tiantreno* $\underbrace{C_6H_4SC_6H_4}S$ $C_{12}H_8S_2$ M = 216,33 g/mol assay (ex S) ..... 97% melting range ..... 151–155 °C	WG. 2935	25 g	70,–	59,50	56,–
63090	**L(-)-Thiazolidine-4-carboxylic acid** PROSYNTH® *Acide L(-)-thiazolidine-4-carboxylique / Acido L(-)-tiazolidina-4-carboxilico* $\underbrace{CH_2SCH_2NHC}$HCOOH $C_4H_7NO_2S$ M = 133,17 g/mol assay (alkalimetric) ..... 98% melting range ..... 195–198 °C (disint.) spec. rotation ..... (α_D^{20}, C=6 in 20% HCl) –100° ± 1°	FL. 2935	25 g	34,50	29,35	27,60
65104	**2,4-Thiazolidinedione** PROSYNTH® *2-4-Thiazolidindione / 2,4-Tiazolidindiona* $\underbrace{SCH_2CONHC}$O $C_3H_3NO_2S$ M = 117,13 g/mol assay (ex S) ..... 97% melting range ..... 124–126 °C	WG 2935	10 g	25,75	21,90	20,60
	Thiazolidone-(2)-imide see 2-Aminothiazoline					

refer explanations

Number CR GGVS CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
	2-Thiazolinethiol-(2) PROSYNTH® *2-Thiazolinethiol-(2) / 2-Tiazolintiol-(2)* SCH:CH:N – CSH $C_3H_3NS_2$ $M = 119,21$ g/mol assay (ex Si) ..... 98 % melting range ..... 103 – 106 °C	WG. 2935	100 g	22,50	19,15	18,–	16,90
	Thiazolyl blue see MTT						
	N¹-2-Thiazolylsulphanilamide PROSYNTH® *N¹-Thiazolyl-2-sulphanilamide / N¹-2-Tiazolilsulfanilamida* $C_9H_9N_3O_2S_2$ $M = 255,32$ g/mol assay ..... 98 % melting range ..... 200 – 202 °C	WG 2935	250 g	37,75	32,10	30,20	28,30
	Thienyl-2-aldehyde see Thiophenecarbaldehyde-(2)						
	Thin-layer chromatography (TLC) see Aluminium oxide, Cellulose, Polyamide, Silica gel						
1	**Thioacetamide R. G., Reag. Ph. Eur. I** *Thioacetamide / Tioacetamida* CH_3CSNH_2 C_2H_5NS $M = 75,13$ g/mol assay ..... min. 99 % melting range ..... 110–112 °C sulphated ash ..... max. 0,05 % iron (Fe) ..... max. 0,0005 % heavy metals (as Pb) ..... max. 0,001 %	WG. 250 g 2931	25 g 250 g	14,75 112,50	12,55 95,65	11,80 90,–	11,05 84,40
7 11 2811 2	**Thioacetanilide PROSYNTH®** *Thioacétanilide / Tioacetanilida* $CH_3CSNHC_6H_5$ C_8H_9NS $M = 151,23$ g/mol	PF. PF. 2931	10 g 50 g	62,50 259,–	53,15 220,15	50,– 207,20	46,90 194,25
3 A 2436 2	**Thioacetic acid PROSYNTH®** *Acide thioacétique / Acido tioacético* CH_3COSH C_2H_4OS $M = 76,12$ g/mol 1 L ≈ 1,07 kg assay (iodometric) ..... 98 % boiling range ..... 86 – 88 °C refractive index (n_D^{20}) ..... 1,463 R: 11 S: 9-16-33 disposal: 15	FL. 2931	50 ml	20,75	17,65	16,60	15,55
52	**Thioacetic acid potassium salt PROSYNTH®** *Acide thioacétique sel potassique / Acido tioacético sal potásica* CH_3COSK C_2H_3KOS $M = 114,21$ g/mol assay ..... 98 %	WG. 2931	50 g	46,25	39,30	37,–	34,70
65	**2-Thiobarbituric acid R. G., for sorbic acid determination** *Acide 2-thiobarbiturique / Acido 2-tiobarbitúrico* $NHCSNHCOCH_2CO \cdot H_2O$ $C_4H_4N_2O_2S \cdot H_2O$ $M = 162,17$ g/mol assay ..... min. 99 % loss on drying ..... max. 3 % Qualification for sorbic acid determination passes test	WG. 2931	25 g	19,75	16,80	15,80	14,80
71	**Thiobenzamide PROSYNTH®** *Thiobenzamide / Tiobenzamida* $C_6H_5CSNH_2$ C_7H_7NS $M = 137,20$ g/mol assay (ex S) ..... 97 % melting range ..... 115 – 117 °C	WG. 2931	50 g	49,25	41,85	39,40	36,95

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
63765 A - B 8/21 C 8. 1760 2	**Thiobenzoic acid** PROSYNTH® *Acide thiobenzoïque / Acido tiobenzóico* C_6H_5COSH C_7H_6OS $M = 138{,}19$ g/mol **1 L ≈ 1,18 kg** assay (alkalimetric) ..... 95% boiling range (at 16 mbar) ..... 103—105 °C refractive index (n_D^{20}) ..... 1,603 keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	FL. *2931*	100 ml	21,50	18,30	17,20	16,1
64133	**Thiocaprolactame** PROSYNTH® *Thiocaprolactame / Tiocaprolactamo* $C_6H_{11}NS$ $M = 129{,}23$ g/mol assay (ex S) ..... 98% melting range ..... 100—102 °C	WG. *2935*	25 g	43,—	36,55	34,40	32,2
	Thiocarbamide see Thiourea						
	Thiocarbanilide see Diphenylthiourea						
	Thiocarbonyl dichloride see Thiophosgene						
63092	**2,2'-Thiodiacetic acid** PROSYNTH® *Acide 2-2'-thiodiacétique / Acido 2,2'-tiodiacético* $S(CH_2COOH)_2$ $C_4H_6O_4S$ $M = 150{,}15$ g/mol assay (alkalimetric) ..... 98% melting range ..... 127—129 °C	PF. *2931*	100 g	13,75	11,70	11,—	10,3
33747	**2,2-Thiodiethanol** (Thiodiglycol) R. G. *2-2-Thiodiéthanol / 2,2-Tiodietanol* $(HOCH_2CH_2)_2S$ $C_4H_{10}O_2S$ $M = 122{,}19$ g/mol **1 L ≈ 1,18 kg** assay (GC) ..... min. 98% sulphated ash ..... max. 0,005% water ..... max. 0,3% free acid (as CH_3COOH) ..... max. 0,005% iron (Fe) ..... max. 0,0001% heavy metals (as Pb) ..... max. 0,0005% sulphate (SO_4) ..... max. 0,0005%	FL. *2931*	100 ml	14,75	12,55	11,80	11,0
	Thiodiglycol see 2,2-Thiodiethanol						
	Thiodiphenylamine see Phenothiazine						
63766	**3,3'-Thiodipropionic acid** PROSYNTH® *Acide 3-3'-thiodipropionique / Acido 3,3'-tiodipropiónico* $S(CH_2CH_2COOH)_2$ $C_6H_{10}O_4S$ $M = 178{,}21$ g/mol assay (alkalimetric) ..... 99% melting range ..... 129—132 °C	PF. *2931*	250 g	26,25	22,30	21,—	19,8
63767	**1-Thioglycerol solution** 90% in water PROSYNTH® *1-Thioglycérol en solution / 1-Tioglicerina en solución* $HSCH_2CH(OH)CH_2OH$ $C_3H_8O_2S$ $M = 108{,}16$ g/mol **1 L ≈ 1,24 kg** assay (iodometric) 90%	FL. *2931*	100 ml	20,75	17,65	16,60	15,6
60280 A - B 8/21F C 8 1940 2	**Thioglycollic acid** PROSYNTH® *Acide thioglycolique / Acido tioglicólico* $HSCH_2COOH$ $C_2H_4O_2S$ $M = 92{,}12$ g/mol **1 L ≈ 1,27 kg** assay ..... 99% boiling range (at 7 mbar) ..... 94—96 °C refractive index (n_D^{20}) ..... 1,503 R: 23/24/25-34 S: 2-25-27-28 disposal: 15	FL. FL. *2931*	250 ml 1 L	12,50 31,75	10,65 27,—	10,— 25,40	9,4 24,1

refer explanations

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27813 A - B 8/21F C 8 1940 2	**Thioglycollic acid** 80%, chem. pure Reag. Ph. Eur. I *Acide thioglycolique / Acido tioglicólico* $HSCH_2COOH$ $C_2H_4O_2S$ $M = 92{,}12$ g/mol **1 L ≈ 1,27 kg** assay ..... 80% density (D_4^{20}) ..... 1,265–1,275 sulphated ash ..... 0,05% iron (Fe) ..... 0,00002% heavy metals (as Pb) ..... 0,002% Patent rights regarding its application for hair wave preparations have to be observed. R: 23/24/25-34 S: 2-25-27-28 disposal: 15	FL. FL. FL. STP. *2931*	250 ml 500 ml 1 L 35 kg	13,– 19,25 35,– price on request	11,05 16,35 29,75	10,40 15,40 28,–	9,75 14,80 26,95
	Thioglycollic acid-(β-naphthyl)amide see Thionalide						
63095	**2-Thiohydantoin** PROSYNTH® *2-Thiohydantoïne / 2-Tiohidantoína* $NHCSNHCOCH_2$ $C_3H_4N_2OS$ $M = 116{,}14$ g/mol assay (ex N) ..... 98% melting range ..... 229–231 °C (disint.)	PF. *2931*	50 g	41,–	34,85	32,80	30,75
	Thiohydracrylic acid see 3-Mercaptopropionic acid						
	Thioimidazolidone see N,N'-Ethylenethiourea						
	Thiolactic acid see 2-Mercaptopropionic acid						
	Thiomalic acid see Mercaptosuccinic acid						
	Thiomolybdic acid solution according to Splittgerber see Splittgerber's reagent						
33718	**Thionalide** R. G. (thioglycollic acid-[β-naphthyl]-amide) *Thionalide / Tionalida* $C_{10}H_7(NHCOCH_2SH)$ $C_{12}H_{11}NOS$ $M = 217{,}29$ g/mol assay (ex N) ..... min. 99% melting range ..... 113–114 °C sulphated ash ..... max. 0,05% suitability for determination of metals ..... passes test	WG. *2931*	25 g	189,–	160,65	151,20	141,75
65105 A 6.1/21 C 6.1 1544 3	**Thionicotinamide** PROSYNTH® *Acide thionicotinoamide / Acido tionicotinico amida* $N=CHC(CSNH_2)=CHCH=CH$ $C_6H_6N_2S$ $M = 138{,}19$ g/mol assay ..... 98% melting range ..... 189–192 °C (disint.)	WG. *2935*	25 g	22,25	18,90	17,80	16,70
33716	**Thionine** (Lauth's violet) according to Ehrlich to microscopy (C. I. No. 52000, S. No. 1036) *Thionine / Tionina*	WG. WG. *3205*	5 g 25 g	31,75 133,–	27,– 113,05	25,40 106,40	23,80 99,75
33719	**Thionine** redox indicator (C. I. No. 52000, S. No. 1036) E_0 at pH 7 + 0,06 volt, rH 15–17 *Thionine / Tionina* $C_{12}H_{10}ClN_3S$ $M = 263{,}75$ g/mol	WG. *3205*	25 g	132,–	112,20	105,60	99,–
64874 A 8/11A C 8 1760 2	**Thionyl bromide** PROSYNTH® *Thionyle bromure / Tionilo bromuro* $SOBr_2$ Br_2OS $M = 207{,}87$ g/mol **1 L ≈ 2,68 kg** assay (ex Br) ..... 97% boiling range (at 53 mbar) ..... 66–68 °C R: 34 S: 26 disposal: 11	FL. *2814*	100 ml	74,–	62,90	59,20	55,50

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		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
18438	**Thionyl chloride** *Thionyle chlorure / Tionilo cloruro*	FL.	500 ml	11,—	9,35	8,80	8,2
A 8/11A		FL.	1 L	19,50	16,60	15,60	15,—
C 8 1836 1	$SOCl_2$ $M = 118{,}97$ g/mol **1 L ≈ 1,63 kg**	STP.	45 kg	price on request			
	assay ..... 99,7 %	*2814*					
	boiling range ..... 75—76 °C						
	sulphur dioxide (SO_2) ..... 0,2 %						
	R: 14-34-37 S: 26 disposal: 11						
63606	**Thiooxene hydrochloride** PROSYNTH® *Thiooxène chlorhydrate / Tiooxeno clorhidrato*	FL.	1 g	43,75	37,20	35,—	32,8
	$HSC_6H_3N=CHCH=CH \cdot HCl$	*2931*					
	C_9H_8ClNS $M = 197{,}69$ g/mol						
	assay (ex N) ..... 96 %						
	melting range ..... 159—161 °C						
16218	**Thiophene** synthetic *Thiophène / Tiofeno*	FL.	100 ml	16,50	14,05	13,20	12,4
A 3/1A		FL.	250 ml	37,50	31,90	30,—	28,1
C 3.2 1993 2	$SCH=CHCH=CH$	*2935*					
- 1 °C	C_4H_4S $M = 84{,}14$ g/mol **1 L ≈ 1,06 kg**						
	assay (GC) ..... 99 %						
	boiling range ..... 83—85 °C						
	density (D_4^{20}) ..... 1,058—1,065						
	refractive index (n_D^{20}) ..... 1,5285—1,5295						
	R: 11-20/21/22 S: 26-28 disposal: 6						
63096	**Thiophenecarbaldehyde-(2)** PROSYNTH® *Thiophènecarbaldéhyde-(2) / Tiofenocarbaldehido-(2)*	FL.	100 ml	77,50	65,90	62,—	58,1
A 3/3		*2935*					
C 3.3 1989 2	$SCH=CHCH=CCHO$						
50 °C	C_5H_4OS $M = 112{,}15$ g/mol **1 L ≈ 1,22 kg**						
	assay (GC) ..... 98 %						
	boiling range ..... 196—198 °C						
	refractive index (n_D^{20}) 1,591						
	R: 10 disposal: 14						
65106	**2-Thiophenecarbonyl chloride** PROSYNTH® *Acide thiophènecarboxylique-2-chlorure / Acido tiofenocarboxílico-2-cloruro*	FL.	10 ml	13,25	11,25	10,60	9,9
A 8/22		*2935*					
C 8 1760 2	$SCH=CHCH=CCOCl$						
	C_5H_3ClOS $M = 146{,}60$ g/mol **1 L ≈ 1,37 kg**						
	assay (ex Cl) ..... 97 %						
	boiling range (at 19 mbar) ..... 82—84 °C						
	refractive index (n_D^{20}) 1,590						
	R: 36/37/38 S: 26 disposal: 21						
63097	**Thiophene-2-carboxylic acid** PROSYNTH® *Acide thiophènecarboxylique-(2) / Acido tiofenocarboxílico-(2)*	PF.	25 g	19,50	16,60	15,60	14,6
		2935					
	$SCH=CHCH=CCOOH$						
	$C_5H_4O_2S$ $M = 128{,}15$ g/mol						
	assay (alkalimetric) ..... 98 %						
	melting range ..... 127—129 °C						
60282	**Thiophenol** PROSYNTH® *Thiophénol / Tiofenol*	FL.	100 ml	13,75	11,70	11,—	10,3
A 3/1A		FL.	500 ml	53,—	45,05	42,40	40,8
C 3.2 2337 2	C_6H_5SH	*2931*					
21 °C	C_6H_6S $M = 110{,}18$ g/mol **1 L ≈ 1,08 kg**						
	assay (GC) ..... 97 %						
	boiling range ..... 167—169 °C						
	refractive index (n_D^{20}) 1,588						
	R: 11-23/24/25 S: 16-27-44 disposal: 15						

refer explanations

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13098 6.1/12E 6.1 2474 2	**Thiophosgene** PROSYNTH® *Thiophosgène / Tiofosgeno* CCl_2S *M* = 114,98 g/mol **1 L ≈ 1,50 kg** assay (GC) ..... 98 PROSYNTH® boiling range ..... 71–73 °C refractive index (n_D^{20}) ..... 1,544 keep cool à stocker au frais consérvese frio R: 23/24/25 S: 44 disposal: 10	FL. *2931*	100 ml	87,50	74,40	70,–	65,65
63099 A 8/11B C 8 1837 2	**Thiophosphoryl chloride** PROSYNTH® *Thiophosphoryle chlorure / Tiofosforilo cloruro* Cl_3PS *M* = 169,40 g/mol **1 L ≈ 1,63 kg** assay (ex Cl) ..... 98% boiling range ..... 122–124 °C refractive index (n_D^{20}) ..... 1,556 R: 34 S: 26 disposal: 11	FL. *2858*	1 L	76,50	65,05	61,20	58,90
33720 A 6.1/21NB C 6.1 1602 2	**Thiosemicarbazide** R. G. *Thiosémicarbazide / Tiosemicarbazida* $H_2NCSNHNH_2$ CH_5N_3S *M* = 91,14 g/mol assay ..... min. 98% melting range ..... 181–184 °C sulphated ash ..... max. 0,02% R: 23/24/25 S: 44 disposal: 6	PF. *2931*	25 g	13,75	11,70	11,–	10,30
	Thiosinamine see N-Allylthiourea						
	α-Thiotolene see 2-Methylthiophene						
39448	**2-Thiouracil** BIOSYNTH® *Thio-2-uracile / 2-Tiouracilo* N=C(SH)N=C(OH)CH=CH $C_4H_4N_2OS$ *M* = 128,15 g/mol R: 23/24/25 S: 44 disposal: 10	PF. PF. *2935*	25 g 100 g	22,50 76,–	19,15 64,60	18,– 60,80	16,90 57,–
63100	**2-Thiouracil** PROSYNTH® *Thio-2-uracile / 2-Tiouracilo* N=C(SH)N=C(OH)CH=CH $C_4H_4N_2OS$ *M* = 128,15 g/mol assay (ex S) ..... 98% R: 23/24/25 S: 44 disposal: 10	PF. *2935*	100 g	72,–	61,20	57,60	54,–
33717 A 6.1/81D C 6.1 1609 2	**Thiourea** R. G., Reag. Ph. Eur. I *Thiourée / Tiourea* $CS(NH_2)_2$ CH_4N_2S *M* = 76,12 g/mol assay ..... min. 99% melting range ..... 176–180 °C insoluble in water ..... max. 0,01% sulphated ash ..... max. 0,1% dicyandiamide ..... passes test R: 26/27/28-39 S: 1-13-45 disposal: 6	PF. PF. PF. *2931*	100 g 250 g 1 kg	9,50 18,– 53,–	8,10 15,30 45,05	7,60 14,40 42,40	7,15 13,50 40,80

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Type of package *B.T.N.*

Price per package DM | 1x | 6x (1 Box) | 24x (4 Boxes) | 96x (16 Boxes)

16217 **Thiourea** chem. pure
A 6.1/81D *Thiourée / Tiourea*
C 6.1 1609 2 $CS(NH_2)_2$
CH_4N_2S $M = 76{,}12$ g/mol

assay	99%
melting range	174–180 °C
sulphated ash	0,1%

R: 26/27/28-39 S: 1-13-45
disposal: 6

PF.	500 g	11,75	10,—	9,40	9,0
PF.	1 kg	21,50	18,30	17,20	16,5
PF.	5 kg	80,—	66,40	62,40	60,-
FTP.	50 kg	kg	7,40		
FTP.	5x	kg	7,10		
2931					

33745 **Thorin** R. G. [2-(2-hydroxy-3,6-disulphonic-1-naphthaleneazo) phenylarsonic acid, disodium salt]
A 6.1/52A *Thorin / Torina*
C 6.1 1557 3
$H_2O_3AsC_6H_4N{=}NC_{10}H_4(OH)(SO_3Na)_2$
$C_{16}H_{11}AsN_2Na_2O_{10}S_2$ $M = 576{,}30$ g/mol

insoluble in water	passes test
suitability as indicator for sulphate titrition	passes test

R: 23/25 S: 1/2-20/21-28-44
disposal: 10

FL.	1 g	7,25	6,15	5,80	5,4
WG.	5 g	15,50	13,20	12,40	11,6
2934					

31686 **Thorium nitrate-5-hydrate** R. G.
A 7/BL.3 *Thorium nitrate-5-hydrate / Torio nitrato-5-hidrato*
C 7 BL.3 plastic bottle of 50 g
$Th(NO_3)_4 \cdot 5H_2O$ $M = 570{,}13$ g/mol

assay	min. 99%
iron (Fe)	max. 0,001%
heavy metals (as Pb)	max. 0,002%
rare earths (as La)	max. 0,2%
titanium (Ti)	max. 0,005%
substances not precipitated by ammonia solution (as sulphates)	max. 0,2%
chloride (Cl)	max. 0,002%
sulphate (SO_4)	max. 0,01%

disposal: 25

2852	1 pack	17,50	14,90	14,—	13,

10459 **Thorium(IV) oxide**
A 7/BL.3 *Thorium(IV) oxyde / Torio(IV) óxido*
C 7 BL.3
ThO_2 $M = 264{,}04$ g/mol

assay	99%

disposal: 25

WG.	100 g	157,—	133,45	125,60	117,
2852					

39035 **D(+)-Threonine** BIOSYNTH®
D(+)-Thréonine / D(+)-Treonina
$CH_3CH(OH)CH(NH_2)COOH$
$C_4H_9NO_3$ $M = 119{,}12$ g/mol

assay (ex N)	99%
specific rotation ($[\alpha]_D^{20}$; c=6 in H_2O)	+28,5° ±1,5°

WG.	10 g	77,50	65,90	62,—	58,
2923					

39036 **DL-Threonine** BIOSYNTH®
DL-Thréonine / DL-Treonina
$CH_3CH(OH)CH(NH_2)COOH$
$C_4H_9NO_3$ $M = 119{,}12$ g/mol

assay (ex N)	99%

WG.	10 g	12,75	10,85	10,20	9
2923					

39034 **L(-)-Threonine** BIOSYNTH®
L(-)-Thréonine / L(-)-Treonina
$CH_3CH(OH)CH(NH_2)COOH$
$C_4H_9NO_3$ $M = 119{,}12$ g/mol

assay (ex N)	99%
specific rotation ($[\alpha]_D^{20}$; c=6 in H_2O)	−28,5° ±1,5°

WG.	10 g	14,75	12,55	11,80	11
2923					

L-Throsine see L(-)-Tyrosine

10594 **Thulium** powder
Thulium / Tulio
Tm $M = 168{,}93$ g/mol

assay	99%

A.	1 g	311,—	264,35	248,80	233
2805					

refer explanations

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10595) 6.1 2811 3	**Thulium fluoride** *Thulium fluorure / Tulio fluoruro* TmF_3 $M = 225{,}93$ g/mol assay 99%	FL. 2852	1 g	195,—	165,75	156,—	146,25
10596	**Thulium oxide** *Thulium oxyde / Tulio óxido* Tm_2O_3 $M = 385{,}87$ g/mol assay 99%	FL. 2852	1 g	69,50	59,10	55,60	52,15
39187	**Thymidine** BIOSYNTH® *Thymidine / Timidina* ampoule of 500 mg $\underline{CONHCOC(CH_3)=CHN}\underline{CHCH_2CHOHCH(CH_2OH)O}$ $C_{10}H_{14}N_2O_5$ $M = 242{,}23$ g/mol assay (ex N) ..... 99% spec. rotation ($[\alpha]_D^{20}$; c = 2 in NaOH 1 mol/l) +30,7° ±2°	2935	1 pack	41,25	35,05	33,—	30,95
39188	**Thymine** BIOSYNTH® *Thymine / Timina* $\underline{N=C(OH)N=C(OH)C(CH_3)=CH}$ $C_5H_6N_2O_2$ $M = 126{,}11$ g/mol assay (UV) ..... 99% melting range ..... 319—321 °C (disint.) log $\varepsilon_{/265}$ (0,1 N HCl) 3,896	WG. 2935	10 g	28,—	23,80	22,40	21,—
16254	**Thymol** DAB 8 *Thymol / Timol* $C_6H_3(CH_3)(OH)(C_3H_7)[1,3,4]$ $C_{10}H_{14}O$ $M = 150{,}22$ g/mol assay ..... 99,5% non-volatile matter 0,05%	PF. PF. PF. FTP. 2906	100 g 250 g 1 kg 10 kg	16,— 35,50 118,— price on request	13,60 30,20 100,30	12,80 28,40 94,40	12,— 26,65 90,85
32728	**Thymol blue** indicator (S. No. 879) *Bleu de thymol / Azul de timol* $C_{27}H_{30}O_5S$ $M = 466{,}60$ g/mol	WG. WG. WG. 2937	5 g 25 g 100 g	12,— 37,75 129,—	10,20 32,10 109,65	9,60 30,20 103,20	9,— 28,30 96,75
32727	**Thymol blue** water-soluble *Bleu de thymol / Azul de timol*	WG. 3205	5 g	16,25	13,80	13,—	12,20
33723	**Thymolphthalein** indicator, Reag. Ph. Eur. I *Thymolphtaléine / Timolftaleína* $C_{28}H_{30}O_4$ $M = 430{,}55$ g/mol	WG. WG. WG. 2935	5 g 25 g 100 g	10,75 32,— 102,50	9,15 27,20 87,15	8,60 25,60 82,—	8,05 24,— 76,90
33929	**Thymolphthalexone** indicator for complexometry *Thymolphtalexone / Timolftalexona* (als Säure:)$\underline{C_6H_4COOC}[C_6HCH_3CH_2N(CH_2COOH)_2OHCH(CH_3)_2]_2$ $C_{38}H_{44}N_2O_{12}$ $M = 720{,}77$ g/mol	FL. 3205	1 g	16,50	14,05	13,20	12,40
	Thymolsulphonphthalein see Thymol blue						
	Thymolsulphonphthalein-3',3''-bis methyleniminodiacetic acid sodium salt see Thymolphthalexone						
	Thymolsulphonphthalein-bis-(methylimino diacetic acid) sodium salt see Methyl thymol blue						
33909	**Thymol violet** indicator *Violet de thymol / Violeta de timol*	WG. 3205	5 g	25,25	21,45	20,20	18,95
39449	L-**Thyroxine sodium salt** BIOSYNTH® *L-Thyroxine, sel sodique / L-Tiroxina, sal sódica* $HOC_6H_2J_2OC_6H_2J_2CH_2CH(NH_2)COONa \cdot 5H_2O$ $C_{15}H_{10}J_4NNaO_4 \cdot 5H_2O$ $M = 888{,}93$ g/mol	FL. 2923	1 g	58,—	49,30	46,40	43,50

COTAL® chemicals for vapour deposition techniques

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	9 (10 B
63102	**Tiglic acid** PROSYNTH® *Acide tiglique / Acido tiglico* $CH_3CH=C(CH_3)COOH$ $C_5H_8O_2$ $M = 100,12$ g/mol assay (alkalimetric) ..... 98 % melting range ..... 61–63 °C	WG. *2914*	25 g	39,25	33,35	31,40	2
31666	**Tin** R. G. granulated *Etain / Estaño* Sn $M = 118,69$ g/mol arsenic (As) ..... max. 0,00005 % lead (Pb) ..... max. 0,01 % iron (Fe) ..... max. 0,005 % copper (Cu) ..... max. 0,003 % bismuth (Bi) ..... max. 0,005 % zinc (Zn) ..... max. 0,002 %	PF.	100 g	17,50	14,90	14,—	1
		PF.	250 g	37,—	31,45	29,60	2
		PF.	1 kg	124,—	105,40	99,20	9
		FT. *8001*	50 kg	price on request			
14507	**Tin** pure granulated *Etain / Estaño* Sn $M = 118,69$ g/mol	PF.	250 g	32,25	27,40	25,80	2
		PF.	500 g	59,50	50,60	47,60	4
		PF.	1 kg	108,50	92,25	86,80	8
		FTP. *8001*	25 kg	price on request			
14510	**Tin** pure in sticks of 8 mm *Etain / Estaño* Sn $M = 118,69$ g/mol	PF.	250 g	38,75	32,95	31,—	2
		PF. *8002*	1 kg	130,—	110,50	104,—	10
14509	**Tin** pure powder *Etain / Estaño* Sn $M = 118,69$ g/mol	PF.	250 g	37,25	31,65	29,80	2
		PF.	1 kg	124,—	105,40	99,20	9
		PF.	2,5 kg	271,—	224,95	211,40	20
		FTP. *8004*	50 kg	price on request			
14511	**Tin** pure foil *Etain / Estaño* roll of abt. 250 g Sn $M = 118,69$ g/mol	*8004*	1 pack	37,75	32,10	30,20	2
38621	**0,100 g Tin** FIXANAL® water-soluble standard for atom absorption *0,100 g Etain / 0,100 g Estaño* ampoule	*3819*	1 pack	10,25	8,70	8,20	
38583	**1,00 g Tin** FIXANAL® watersoluble standard for atom absorption *1,00 g Etain / 1,00 g Estaño* ampoule	*3819*	1 pack	10,25	18,70	18,20	
	Tin bichloride see Tin(II) chloride						
	Tin borofluoride solution see Tin(II) fluoroborate solution						
31655	**Tin(II) chloride-2-hydrate** R. G., for determination of mercury *Etain(II) chlorure-2-hydrate / Estaño(II) cloruro-2-hidrato* $SnCl_2 \cdot 2H_2O$ $M = 225,63$ g/mol assay ..... min. 98 % insoluble in hydrochloric acid ..... max. 0,005 % ammonium (NH_4) ..... max. 0,002 % arsenic (As) ..... max. 0,0001 % lead (Pb) ..... max. 0,005 % calcium (Ca) ..... max. 0,005 % iron (Fe) ..... max. 0,002 % potassium (K) ..... max. 0,005 % copper (Cu) ..... max. 0,001 % magnesium (Mg) ..... max. 0,005 % manganese (Mn) ..... max. 0,0005 % sodium (Na) ..... max. 0,005 % nickel (Ni) ..... max. 0,0005 % mercury (Hg) ..... max. 0,000001 % sulphate (SO_4) ..... max. 0,002 %	WG. *2830*	250 g	40,75	34,65	32,60	3

refer explanations

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1669	**Tin(II) chloride-2-hydrate** R. G., Reag. ACS, Reag. Ph. Eur. I *Etain(II) chlorure-2-hydrate / Estaño(II) cloruro-2-hidrato* $SnCl_2 \cdot 2H_2O$ $M = 225,63$ g/mol assay ..... min. 97 % insoluble in hydrochloric acid ..... max. 0,005 % arsenic (As) ..... max. 0,0001 % lead (Pb) ..... max. 0,005 % calcium (Ca) ..... max. 0,005 % iron (Fe) ..... max. 0,002 % potassium (K) ..... max. 0,005 % copper (Cu) ..... max. 0,001 % magnesium (Mg) ..... max. 0,005 % manganese (Mn) ..... max. 0,0005 % sodium (Na) ..... max. 0,005 % sulphate (SO_4) ..... max. 0,002 %	WG. WG. WG. FTP. 2830	100 g 500 g 1 kg 25 kg	14,— 54,— 99,— price on request	11,90 45,90 84,15	11,20 43,20 79,20	10,50 41,60 76,25
14517	**Tin(II) chloride-2-hydrate** pure cryst. *Etain(II) chlorure-2-hydrate / Estaño(II) cloruro-2-hidrato* $SnCl_2 \cdot 2H_2O$ $M = 225,63$ g/mol assay ..... 97 % arsenic (As) ..... 0,0002 % lead (Pb) ..... 0,01 % iron (Fe) ..... 0,01 % copper (Cu) ..... 0,001 % sulphate (SO_4) ..... 0,01 %	PF. PF. PF. FTP. 2830	250 g 1 kg 2,5 kg 50 kg	23,25 78,50 171,— price on request	19,75 66,75 141,95	18,60 62,80 133,40	17,45 60,45 128,25
14520 A 8/11A C 8 1827 2	**Tin(IV) chloride** fuming *Etain(IV) chlorure / Estaño(IV) cloruro* $SnCl_4$ $M = 260,50$ g/mol **1 L ≈ 2,21 kg** assay ..... 99 % arsenic (As) ..... 0,005 % iron (Fe) ..... 0,001 % sulphate (SO_4) ..... 0,01 % R: 34-37 S: 7/8-26 disposal: 11	FL. STP. 2830	500 ml 50 kg	88,50 price on request	75,25	70,80	68,15
14550 C 8 2440 3	**Tin(IV) chloride-5-hydrate** chem. pure *Etain(IV) chlorure-5-hydrate / Estaño(IV) cloruro-5-hidrato* $SnCl_4 \cdot 5H_2O$ $M = 350,58$ g/mol assay ..... 98 % lead (Pb) ..... 0,005 % iron (Fe) ..... 0,005 % potassium (K) ..... 0,01 % sodium (Na) ..... 0,01 % sulphate (SO_4) ..... 0,02 % R: 34-37 S: 7/8-26 disposal: 2	WG. WG. WG. FTP. 2830	500 g 1 kg 2,5 kg 50 kg	37,75 68,50 150,— price on request	32,10 58,25 124,50	30,20 54,80 117,—	29,05 52,75 112,50
01160 C 6.1 2811 3	**Tin(II) fluoride** chem. pure *Etain(II) fluorure / Estaño(II) fluoruro* SnF_2 $M = 156,69$ g/mol total tin ..... 74-76 % tin (II) (Sn^{2+}) ..... 71-74 % fluorine (F) ..... 23-25 % loss on drying (105 °C, 2 h) ..... 0,1 % arsenic (As) ..... 0,0002 % lead (Pb) ..... 0,005 % iron (Fe) ..... 0,005 % copper (Cu) ..... 0,005 % chloride (Cl) ..... 0,005 % R: 23/24/25 S: 1/2-26-44 disposal: 27	PF. PF. FTP. 2829	100 g 1 kg 50 kg	14,25 105,— price on request	12,10 89,25	11,40 84,—	10,70 80,85

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01551 **Tin(II) fluoroborate solution** 50%, for electroplating *Etain(II) fluoroborate en solution / Estaño(II) fluoroborato en solución* $Sn(BF_4)_2$ $M = 292{,}30$ g/mol — **1 L ≈ 1,60 kg** assay of total tin ..... 20,1—20,5% assay of Sn (IV) ..... 0,3—0,8% free fluoroboric acid (HBF_4) ..... 1—3% free boric acid (H_3BO_3) ..... 1—2% lead (Pb) ..... 0,005% iron (Fe) ..... 0,005% copper (Cu) ..... 0,0005% nickel (Ni) ..... 0,0005% zinc (Zn) ..... 0,0005% chloride (Cl) ..... 0,002% sulphate (SO_4) 0,03%	PF. FPF. *2829*	1 L 45 kg	57,50	48,90 price on request	46,—	44,3
01543 **Tin(II) fluoroborate solution** 50% special for electroplating *Etain(II) fluoroborate en solution / Estaño(II) fluoroborato en solución* $Sn(BF_4)_2$ $M = 292{,}30$ g/mol — **1 L ≈ 1,65 kg** assay of total-tin ..... 20,1—20,5% assay of Sn(IV) ..... 0,3—0,8% free fluoroboric acid (HBF_4) ..... 1—3% free boric acid (H_3BO_3) ..... 1—2% lead (Pb) ..... 0,05% iron (Fe) ..... 0,002% cobalt (Co) ..... 0,0005% copper (Cu) ..... 0,0005% nickel (Ni) ..... 0,0005% zinc (Zn) ..... 0,0005% chloride (Cl) ..... 0,002% sulphate (SO_4) 0,002%	PF. FPF. *2829*	1 L 45 kg	57,50	48,90 price on request	46,—	44,3
14527 **Tin(II) oxide** pure *Etain(II) oxyde / Estaño(II) óxido* SnO $M = 134{,}69$ g/mol assay (SnO) ..... abt. 93%	PF. PF. *2828*	100 g 1 kg	25,25 190,—	21,45 161,50	20,20 152,—	18,2 146,3
14529 **Tin(IV) oxide** white amorphous *Etain(IV) oxyde / Estaño(IV) óxido* SnO_2 $M = 150{,}69$ g/mol assay (SnO_2) 99,9%	PF. S. *2828*	1 kg 50 kg	96,—	81,60 price on request	76,80	73,4
Tin salt see Tin(II) chloride						
14551 **Tin sulphamate solution** 15% Sn *Etain sulfamate en solution / Estaño sulfamato en solución* **1 L ≈ 1,41 kg**	PF. FPF. *2848*	1 L 40 kg	price on request price on request			
14531 **Tin(II) sulphate** *Etain(II) sulfate / Estaño(II) sulfato* $SnSO_4$ $M = 214{,}75$ g/mol assay (Sn) ..... 50% insoluble in acid ..... 0,5% free sulphuric acid ..... 2% antimony (Sb) ..... 0,1% arsenic (As) ..... 0,01% chloride (Cl) 0,1%	PF. PF. PF. FTP. *2838*	250 g 1 kg 5 kg 100 kg	34,25 113,— 483,—	29,10 96,05 400,90 price on request	27,40 90,40 376,75	25,7 87,1 362,2
Tin tetrachloride see Tin(IV) chloride						
33724 **Tiron** R. G. and for metal titration *Tiron / Tirón* $(HO)_2C_6H_2(SO_3Na)_2 \cdot H_2O$ $C_6H_4Na_2O_8S_2 \cdot H_2O$ $M = 332{,}22$ g/mol	WG. WG. *2907*	10 g 100 g	10,75 54,50	9,15 46,35	8,60 43,60	8,1 40,9

refer explanations

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56045 A 8/15B C 3.3 1992 2 +24 °C	**Tissue solubilizer** (quat-base) 1 M solution in methanol for scintillation *Solvant de tissu / Solvente de tisú* **1 L ≈ 0,84 kg** R: 11-23/25 S: 2-7-16-24 disposal: 18	FL. *3819*	500 ml	93,50	79,50	74,80	72,—
	Titanic acid anhydrous see Titanium(IV) oxide						
38617	**0,100 g Titanium** FIXANAL® water-soluble standard for atom absorption *0,100 g Titane / 0,100 g Titanio* ampoule	*3819*	1 pack	10,25	8,70	8,20	7,70
38578 A 8/5 C 8 1789 2	**1,00 g Titanium** FIXANAL® watersoluble standard for atom absorption *1,00 g Titane / 1,00 g Titanio* ampoule	*3819*	1 pack	10,25	8,70	8,20	7,70
14010 A 8/5 C 8 1789 2	**Titanium(III) chloride solution** 15% *Titane(III) chlorure en solution / Titanio(III) cloruro en solución* $TiCl_3$ M = 154,26 g/mol **1 L ≈ 1,20 kg** iron (Fe) ..... 0,001% lead (Pb) ..... 0,001% R: 36/38 S: 2-28 disposal: 2	PF. PF. PF. STP. *2830*	250 ml 1 L 2,5 L 35 kg	12,50 33,25 71,50	10,65 28,25 59,35 price on request	10,— 26,60 55,75	9,40 25,60 53,65
14012 A 8/11A C 8 1838 2	**Titanium(IV) chloride** *Titane(IV) chlorure / Titanio(IV) cloruro* $TiCl_4$ M = 189,71 g/mol **1 L ≈ 1,73 kg** assay ..... 99,5% boiling range ..... 135—136 °C aluminium (Al) ..... 0,001% iron (Fe) ..... 0,01% silicium (Si) ..... 0,005% vanadium (V) ..... 0,001% tin (Sn) ..... 0,005% free chlorine (Cl_2) ..... 0,002% R: 14-34-36/37 S: 7/8-26 disposal: 11	FL. FL. STP. *2830*	250 ml 1 L 45 kg	14,75 40,— price on request	12,55 34,—	11,80 32,—	11,05 30,80
	Titanium dioxide see Titanium(IV) oxide						
10414 C 6.1 2811 3	**Titanium(III) fluoride** *Titane(III) fluorure / Titanio(III) fluoruro* TiF_3 M = 104,90 g/mol assay 97%	PF. *2829*	10 g	61,50	52,30	49,20	46,15
10415 A 8/15B C 8 1759 2	**Titanium(IV) fluoride** *Titane(IV) fluorure / Titanio(IV) fluoruro* TiF_4 M = 123,89 g/mol assay 98%	PF. *2829*	10 g	29,50	25,10	23,60	22,15
14013 A SV 746 B 4.2/6E C 4.1 1871 2	**Titanium hydride** *Titane hydrure / Titanio hidruro* TiH_2 M = 49,92 g/mol R: 15 S: 7/8-24/25-43A disposal: 28	BL. *2857*	100 g	39,25	33,35	31,40	29,45

HYDRANAL® a new Karl Fischer reagent

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14015	**Titanium(IV) oxide** chem. pure *Titane(IV) oxyde / Titanio(IV) óxido* TiO_2 M = 79,90 g/mol 99,8 % assay ..... 0,2 % soluble in acid (0,5 N HCl) ..... 0,2 % loss on drying (105 °C) ..... 0,2 % loss on ignition (1000 °C, 2 h) ..... 0,0003 % arsenic (As) ..... 0,001 % lead (Pb) ..... 0,001 % iron (Fe)	PF. PF. PF. S. *2825*	250 g 1 kg 5 kg 25 kg	8,50 22,— 82,— price on request	7,25 18,70 68,05	6,80 17,60 63,95	1 16 6
14021	**Titanium(IV) oxide** technical *Titane(IV) oxyde / Titanio(IV) óxido* TiO_2 M = 79,90 g/mol 99 % assay ..... 0,5 % loss on ignition (1000 °C, 2 h) ..... 0,0005 % arsenic (As) ..... 0,005 % lead (Pb) ..... 0,005 % iron (Fe)	PF. S. *2825*	1 kg 25 kg	16,25 price on request	13,80	13,—	1
14017	**Titanium(IV) oxide** natural (Rutil) *Titane(IV) oxyde / Titanio(IV) óxido* TiO_2 M = 79,90 g/mol	PF. *2601*	5 kg	45,25	37,55	35,30	3
14023	**Titanium oxide sulphate** (so-called titanyl sulphate) 50 % TiO_2 *Titane oxysulfate / Titanio óxido sulfato* $TiOSO_4$ M = 159,96 g/mol	PF. PF. PF. FTP. *2838*	100 g 250 g 1 kg 100 kg	10,— 19,50 57,— price on request	8,50 16,60 48,45	8,— 15,60 45,60	1 4
	Titanium potassium fluoride see Potassium fluorotitanate(IV)						
	Titanium potassium oxalate see Potassium titanium oxide oxalate						
	Titanium tetrachloride see Titanium(IV) chloride						
	Titanium trichloride solution see Titanium(III) chloride solution						
33725	**Titan yellow** R. G., Reag. Ph. Eur. I (C.I. No. 19540, S. No. 280) *Jaune titan / Amarillo de titanio* $C_{28}H_{19}N_5Na_2O_6S_4$ M = 695,73 g/mol	WG. WG. *3205*	25 g 50 g	13,50 25,—	11,50 21,25	10,80 20,—	1 1
65138	**Titanyl acetylacetonate monohydrate** PROSYNTH® *Titanyle acétylacétonate monohydrate / Titanilo acetilacetonato monohidrato* $C_{10}H_{14}O_5Ti \cdot H_2O$ M = 280,13 g/mol assay (ex Ti) ..... 99 % melting range ..... 159—161 °C (disint.)	WG. *2934*	100 g	103,50	88,—	82,80	7
	TLC cards and plates see Aluminium oxyde, Cellulose, Silica gel						
	TLC-Cards and TLC-Micro-Cards Silica gel see Silica gel						
	TLC-Cards Cellulose see Cellulose						
	TLC-Dye-stuff mixture see Dye-stuff mixture						
	TLC-Micro-Cards SIF Silicagel see Silica gel						
35757 A 6.1/83 C 6.1 ./. 3	**2,4,5-T-methyl ester** min. 99 % PESTANAL® (2,4,5-Trichlorophenoxymethyl acetate) $Cl_3C_6H_2OCH_2COOCH_3$ $C_9H_7Cl_3O_3$ M = 269,51 g/mol R: 20/21/22-40 S: 2-13 disposal: 7	FL. *2916*	1 g	21,50	18,30	17,20	

refer explanations

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760 1/83D2 1 1609 3	**TMTD** (Thiram) min. 99% PESTANAL® (Tetramethylthiuramdisulfide) $(CH_3)_2NC(S)SSC(S)N(CH_3)_2$ $C_6H_{12}N_2S_4$ *M* = 240,42 g/mol R: 22-38 S: 2-13 disposal: 7	FL. *2931*	1 g	14,—	11,90	11,20	10,50
057	**TOBO** for scintillation [2-(4-Tolyl)-benzoxazol] *TOBO / TOBO* $C_6H_4N=CC_6H_4CH_3$ $C_{14}H_{11}NO$ *M* = 209,25 g/mol	PF. *2935*	100 g	56,—	47,60	44,80	42,—
0450	DL-α-**Tocopherol** BIOSYNTH® *DL-α-Tocophérol / DL-α-Tocoferol* $C_{29}H_{50}O_2$ *M* = 430,71 g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	WG. *2938*	50 g	27,75	23,60	22,20	20,80
9209	DL-α-**Tocopherol acetate** BIOSYNTH® *DL-α-Tocophérol acétate / DL-α-Tocoferol acetato* $C_{31}H_{52}O_3$ *M* = 472,75 g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	WG. *2935*	25 g	13,75	11,70	11,—	10,30
6084 3/5 3.2 1142 2 11 °C	**Töpfer's reagent** for hydrochloric acid in gastric juice (0,5% ethanolic dimethylaminoazobenzene solution) *Réactif de Töpfer / Reactivo de Töpfer* 1 L ≈ 0,80 kg R: 11 S: 7-16 disposal: 6	*3819*					
	Tolene-4-sulphonic acid chloramide sodium salt see Chloramine T	FL.	250 ml	13,25	11,25	10,60	9,95
6222 6.1/81G 6.1 2811 3	**o-Tolidine** pure *o-Tolidine / o-Tolidina* $NH_2(CH_3)C_6H_3C_6H_3(CH_3)NH_2$ $C_{14}H_{16}N_2$ *M* = 212,29 g/mol R: 20/21/22 S: 22-36 disposal: 19	WG. WG. *2922*	50 g 250 g	11,75 45,25	10,— 38,45	9,40 36,20	8,80 33,95
13726	**o-Tolidine hydrochloride** R. G. *o-Tolidine chlorhydrate / o-Tolidina clorhidrato* $NH_2(CH_3)C_6H_3C_6H_3(CH_3)NH_2 \cdot 2HCl$ $C_{14}H_{18}Cl_2N_2$ *M* = 285,22 g/mol assay (acidimetric) ..... min. 99% sulphated ash ..... max. 0,1% iron (Fe) ..... max. 0,001% heavy metals (as Pb) ..... max. 0,001% R: 20/21/22 S: 22-36 disposal: 7	PF. PF. *2922*	25 g 100 g	12,— 37,25	10,20 31,65	9,60 29,80	9,— 27,95
	***p*-Tolualdehyde** see 4-Methylbenzaldehyde						

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32249 ★ **Toluene** R. G. free from sulphur, Reag. ACS, Reag. ISO, Reag. Ph. Eur. I		FL.	1 L	20,75	17,65	16,20	15,3
A 3/1A	*Toluène / Tolueno*	FL.	2,5 L	43,50	36,10	33,95	32,6
C 3.2 1294 2	$C_6H_5CH_3$	EKL.	30 L	L	10,25		
+7 °C	C_7H_8 $M = 92,14$ g/mol **1 L ≈ 0,86 kg**	EKL.	5x	L	9,75		
	assay (GC) ..... min. 99,5 %	EKL.	10x	L	9,30		
	boiling range ..... 109—112 °C	*2901*					
	density (D_4^{20}) ..... 0,865—0,868						
	refractive index (n_D^{20}) ..... 1,4950—1,4970						
	non-volatile matter ..... max. 0,001 %						
	water (according to Karl Fischer) ..... max. 0,03 %						
	free acid (as HCl) ..... max. 0,001 %						
	free alkali (as NaOH) ..... max. 0,001 %						
	aluminium (Al) ..... max. 0,00005 %						
	barium (Ba) ..... max. 0,00001 %						
	lead (Pb) ..... max. 0,00001 %						
	boron (B) ..... max. 0,000002 %						
	cadmium (Cd) ..... max. 0,000005 %						
	calcium (Ca) ..... max. 0,00005 %						
	chromium (Cr) ..... max. 0,000002 %						
	iron (Fe) ..... max. 0,00001 %						
	cobalt (Co) ..... max. 0,000002 %						
	copper (Cu) ..... max. 0,000002 %						
	magnesium (Mg) ..... max. 0,00001 %						
	manganese (Mn) ..... max. 0,000002 %						
	nickel (Ni) ..... max. 0,000002 %						
	zinc (Zn) ..... max. 0,00001 %						
	tin (Sn) ..... max. 0,00001 %						
	sulphur compounds (as S) ..... max. 0,003 %						
	reaction to sulphuric acid ..... passes test						
	thiophene ..... max. 0,001 %						
	other organic impurities ($CH_2=CHCHO$) . max. 0,001 %						
	R: 11-20 S: 16-29-33 disposal: 6						
30834 **Toluene** min. 99,9 % for gas chromatography		FL.	5 ml	49,25	41,85	39,40	36,
A 3/1A	*Toluène / Tolueno*	*2901*					
C 3.2 1294 2	$C_6H_5CH_3$						
+ 7 °C	C_7H_8 $M = 92,14$ g/mol **1 L ≈ 0,86 kg**						
	R: 11-20 S: 16-29-33 disposal: 6						
56027 ★ **Toluene** for scintillation		FL.	1 L	24,75	21,05	19,80	19
A 3/1A	*Toluène / Tolueno*	*2901*					
C 3.2 1294 2	$C_6H_5CH_3$						
+7 °C	C_7H_8 $M = 92,14$ g/mol						
	R: 11-20 S: 16-29-33 disposal: 6						
34929 **Toluene** SPECTRANAL®		FL.	1 L	31,25	26,55	25,—	24
A 3/1A	*Toluène / Tolueno*	*2901*					
C 3.2 1294 2	$C_6H_5CH_3$						
+ 7 °C	C_7H_8 $M = 92,14$ g/mol **1 L ≈ 0,86 kg**						
	assay (GC) ..... min. 99,7 %						
	non-volatile matter ..... max. 0,0005 %						
	water (according to Karl Fischer) ..... max. 0,02 %						
	free acid (as HCl) ..... max. 0,001 %						
	thiophene ..... max. 0,0005 %						
	suitability for UV-spectroscopy						
	transmittance (1 cm cell; reference: water)						
	transmittance/wavelength (nm):						
	min. 10 %/285, min. 45 %/290, min. 80 %/305,						
	min. 86 %/310, min. 91 %/320, min. 98 %/from 350						
	suitability for IR spectroscopy ..... passes test						
	R: 11-20 S: 16-29-33 disposal: 6						

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Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)	Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
34866 ★ **Toluene** CHROMASOLV® for chromatography (UV-detection) *Toluène / Tolueno* $C_6H_5CH_3$ C_7H_8 $M = 92{,}14$ g/mol **1 L ≈ 0,86 kg** assay (GC) ..... min. 99,7% non-volatile matter ..... max. 0,0005% water (according to Karl Fischer) ..... max. 0,02% free acid (as HCl) ..... max. 0,001% thiophene ..... max. 0,0005% transmittance (1 cm cell; reference water) transmittance/wavelength (nm): min. 20%/290, min. 80%/310, min. 98%/from 350 R: 11-20 S: 16-29-33 disposal: 6 A 3/1A C 3.2 1294 2 +7°C	FL. *2901*	1 L	25,—	21,25	20,—	19,25
34494 ★ **Toluene** PESTANAL® *Toluène / Tolueno* $C_6H_5CH_3$ C_7H_8 $M = 92{,}14$ g/mol **1 L ≈ 0,86 kg** assay (GC) ..... min. 99,7% non-volatile matter ..... max. 0,0005% water (according to Karl Fischer) ..... max. 0,02% suitability for residue analysis: Traceable accompanying substances (GC/ECD) (column 0,5 m, glass capillary ∅ 3 mm Silicon TLC 200 on Chromosorb® 100/200) show in the retention volum zones between Pentachlorobenzene, α-HCH, Aldrin and DDT a peak of $< 5 \cdot 10^{-10}$% ≙ 5 ng/l. R: 11-20 S: 16-29-33 disposal: 6 A 3/1A C 3.2 1294 2 +7°C	FL. FL. *2901*	1 L 2,5 L	23,— 48,25	19,55 40,05	18,40 37,65	17,70 36,20

Code-Number
A) RID/ADR
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C) IMDG-CODE (GGVSee)

Type of package B.T.N.

Price per package DM | 1x | 6x (1 Box) | 24x (4 Boxes) | 96x (16 Boxes)

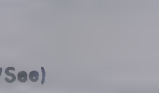
17864 ★ **Toluene** PURANAL®
Toluène / Tolueno

A 3/1A
C 3.2 1294 2
+ 7°C

$C_6H_5CH_3$
C_7H_8 $M = 92,14$ g/mol

1 L ≈ 0,86 kg

assay	min. 99,5 %
boiling range	109–112 °C
density (D_4^{20})	0,865–0,868
refractive index (n_D^{20})	1,4950–1,4970
non-volatile matter	max. 5 ppm
water (according to Karl Fischer)	max. 300 ppm
free acid (as HCl)	max 5 ppm
free alkali (as NaOH)	max. 5 ppm
aluminium (Al)	max. 0,05 ppm
antimony (Sb)	max. 0,01 ppm
arsenic (As)	max. 0,01 ppm
barium (Ba)	max. 0,1 ppm
beryllium (Be)	max. 0,01 ppm
lead (Pb)	max. 0,02 ppm
boron (B)	max. 0,02 ppm
cadmium (Cd)	max. 0,01 ppm
calcium (Ca)	max. 0,2 ppm
chromium (Cr)	max. 0,01 ppm
iron (Fe)	max. 0,1 ppm
gallium (Ga)	max. 0,02 ppm
gold (Au)	max. 0,02 ppm
indium (In)	max. 0,02 ppm
potassium (K)	max. 0,1 ppm
cobalt (Co)	max. 0,01 ppm
copper (Cu)	max. 0,01 ppm
lithium (Li)	max. 0,02 ppm
magnesium (Mg)	max. 0,1 ppm
manganese (Mn)	max. 0,01 ppm
molybdenum (Mo)	max. 0,01 ppm
sodium (Na)	max. 0,2 ppm
nickel (Ni)	max. 0,01 ppm
platinum (Pt)	max. 0,02 ppm
silver (Ag)	max. 0,02 ppm
strontium (Sr)	max. 0,02 ppm
thallium (Tl)	max. 0,02 ppm
titanium (Ti)	max. 0,01 ppm
vanadium (V)	max. 0,01 ppm
bismuth (Bi)	max. 0,02 ppm
zinc (Zn)	max. 0,02 ppm
zirconium (Zr)	max. 0,01 ppm
sulphur compounds (as S)	max. 30 ppm
thiophene	max. 5 ppm



R: 11-20 S: 16-29-33
disposal: 6

FL.	2,5 L	price on request			
EKL.	30 L	price on request			
2901					

24529 ★ **Toluene** chem. pure (thiophen max. 0,001 %)
Toluène / Tolueno

A 3/1A
C 3.2 1294 2
+ 7°C

$C_6H_5CH_3$
C_7H_8 $M = 92,14$ g/mol

1 L ≈ 0,86 kg

assay (GC)	99,5 %
boiling range	109–112 °C
density (D_4^{20})	0,865–0,868
refractive index (n_D^{20})	1,4950–1,4980
non-volatile matter	0,001 %
water (according to Karl Fischer)	0,05 %
thiophene	0,0005 %

R: 11-20 S: 16-29-33
disposal: 6

FL.	1 L	16,50	14,05	12,85	12,3
FL.	2,5 L	33,25	27,60	25,95	24,–
EKL.	30 L	L	5,10		
EKL.	5x	L	4,70		
2901					

24526 ★ **Toluene** pure Erg. B. 6
Toluène / Tolueno

A 3/1A
C 3.2 1294 2
+ 7°C

$C_6H_5CH_3$
C_7H_8 $M = 92,14$ g/mol

1 L ≈ 0,86 kg

assay (GC)	99 %
boiling range	109–112 °C
density (D_4^{20})	0,864–0,868
refractive index (n_D^{20})	1,4950–1,5000
non-volatile matter	0,005 %
water (according to Karl Fischer)	0,1 %

R: 11-20 S: 16-29-33
disposal: 6

FL.	1 L	15,–	12,75	12,–	11,–
FL.	2,5 L	31,50	26,15	24,55	23,–
EKL.	30 L	L	3,85		
EKL.	5x	L	3,65		
EKL.	10x	L	3,50		
EKL.	20x	L	3,30		
F.	200 L	price on request			
2901					

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refer explanations

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09075 A 3/1A C 3.2 1294 2 + 7°C	**Toluene-d_8** deuteration degree not less than 99 atom % D *Toluène-d_8 / Tolueno-d_8* $C_6D_5CD_3$ C_7D_8 *M* = 100,08 g/mol **1 L ≈ 0,94 kg** R: 11-20 S: 16-29-33 disposal: 6	A. *2851*	10 ml	130,—	110,50	104,—	97,50
	Toluenedithiol-(3,4) see Dithiol						
63107	**4-Toluenesulphonamide** PROSYNTH® *4-Toluènesulfonamide / 4-Toluenosulfonamida* $CH_3C_6H_4SO_2NH_2$ $C_7H_9NO_2S$ *M* = 171,22 g/mol assay (ex N) ..... 98 % melting range ..... 134—137 °C	PF. *2936*	1 kg	52,50	44,65	42,—	40,45
16265	**Toluenesulphonamide** mixture of 2- and 4-isomers *Toluènesulfonamide / Toluenosulfonamida* $CH_3C_6H_4SO_2NH_2$ $C_7H_9NO_2S$ *M* = 171,22 g/mol	PF. S. *2936*	1 kg 45 kg	49,25 price on request	41,85	39,40	37,90
64877	**4-Toluene sulphonhydrazide** PROSYNTH® *Hydrazide toluènesulfonique-4 / Acido 4-toluenosulfónico hidrazida* $CH_3C_6H_4SO_2NHNH_2$ $C_7H_{10}N_2O_2S$ *M* = 186,23 g/mol assay (ex N) ..... 97 % melting range ..... 105—108 °C (disint.)	WG. *2929*	50 g	47,50	40,40	38,—	35,65
27815	**4-Toluenesulphonic acid monohydrate** *Acide toluènesulfonique-(4) monohydrate / Acido toluenosulfonico-(4) monohidrato* $C_6H_4(CH_3)(SO_3H) \cdot H_2O$ $C_7H_8O_3S \cdot H_2O$ *M* = 190,22 g/mol assay of $C_7H_8O_3S$ ..... 90 % water (according to Karl Fischer) ..... 10 % R: 36/37/38 S: 26-37 disposal: 21	PF. PF. S. S. *2903*	1 kg 2,5 kg 25 kg 5x	23,50 50,— kg kg	20,— 41,50 5,— 4,75	18,80 39,—	18,10 37,50
64878	**4-Toluenesulphonic acid silver salt** PROSYNTH® *Acide toluènesulfonique-(4) sel d'argent / Acido toluenosulfónico-(4) sal de plata* $CH_3C_6H_4SO_3Ag$ $C_7H_7AgO_3S$ *M* = 279,06 g/mol assay (ex Ag) ..... 97 %	PF. *2903*	1 g	price on request			
64876	**4-Toluenesulphonic anhydride** PROSYNTH® *Anhydride toluènesulfonique-4 / Anhídrido 4-toluenosulfónico* $(CH_3C_6H_4SO_2)_2O$ $C_{14}H_{14}O_5S_2$ *M* = 326,39 g/mol assay ..... 97 % melting range ..... 125—128 °C	WG. *2903*	25 g	117,—	99,45	93,60	87,75
60399	**4-Toluenesulphonyl chloride** PROSYNTH® *Toluènesulfonyle chlorure-4 / 4-Toluenosulfonilo cloruro* $CH_3C_6H_4SO_2Cl$ $C_7H_7ClO_2S$ *M* = 190,65 g/mol assay ..... 98 % melting range ..... 67—69 °C	WG. WG. *2903*	250 g 1 kg	13,— 41,50	11,05 35,30	10,40 33,20	9,75 31,95

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65107 A 6.1/21 C B 6.1/66 C 6.1 2206 2	**4-Toluenesulphonyl** *iso*-**cyanate** PROSYNTH® *4-Toluènesulfonyle iso-cyanate / 4-Toluenosulfonilo iso-cianato* $CH_3C_6H_4SO_2NCO$ $C_8H_7NO_3S$ $M = 197{,}21$ g/mol 1 L ≈ 1,30 kg assay (ex S) ..... 98 % boiling range (at 13 mbar) ..... 142–144 °C refractive index (n_D^{20}) ..... 1,535 R: 23/24/25 S: 44 disposal: 6	FL. *2930*	25 ml	14,25	12,10	11,40	10,7
64606 A 6.1/21A C 6.1 2811 2	**Toluenesulphonyl-(4)-methyl** *iso*-**cyanide** PROSYNTH® *Toluènesulfonyl-(4)-méthyl iso-cyanure / Toluenosulfonil-(4)-metil iso-cianuro* $CH_3C_6H_4SO_2CH_2NC$ $C_9H_9NO_2S$ $M = 195{,}24$ g/mol melting range ..... 111–113 °C R: 23/24/25 S: 44 disposal: 15	WG. *2927*	10 g	72,–	61,20	57,60	54,–
64134 A 6.1/22A C 6.1 2811 2 +68 °C	**4-Toluenethiol** PROSYNTH® *4-Toluènethiol / 4-Toluenotiol* $CH_3C_6H_4SH$ C_7H_8S $M = 124{,}21$ g/mol assay ..... 98 % melting range ..... 41–43 °C	WG. *2931*	100 g	32,75	27,85	26,20	24,5
	Toluic acid see Methylbenzoic acid						
16224 A 6.1/210 C 6.1 1708 2	**o-Toluidine** *o-Toluidine / o-Toluidina* $CH_3C_6H_4NH_2$ C_7H_9N $M = 107{,}15$ g/mol 1 L ≈ 0,99 kg R: 23/24/25-33 S: 28-36/37-44 disposal: 19	FL. FL. EKS. *2922*	500 ml 1 L 35 kg	12,75 23,– price on request	10,85 19,55	10,20 18,40	9,8 17,7
63103 A 6.1/210 C 6.1 1708 2 +90 °C	**m-Toluidine** PROSYNTH® *m-Toluidine / m-Toluidina* $CH_3C_6H_4NH_2$ C_7H_9N $M = 107{,}15$ g/mol 1 L ≈ 0,99 kg assay (GC) ..... 98 % boiling range ..... 203–205 °C refractive index (n_D^{20}) ..... 1,567 R: 23/24/25-33 S: 28-36/37-44 disposal: 19	FL. *2922*	500 ml	20,75	17,65	16,60	16,–
36118 A 6.1/21 0 C 6.1 1708 2	**p-Toluidine** for the determination of hydroxymethylfurfurol according to Winkler (4-Methylaniline) *p-Toluidine / p-Toluidina* $CH_3C_6H_4NH_2$ C_7H_9N $M = 107{,}15$ g/mol R: 23/24/25-33 S: 28-36/37-44 disposal: 19	WG. WG. *2922*	250 g 1 kg	42,75 142,–	36,35 120,70	34,20 113,60	32,0 109,3
16228 A 6.1/210 C 6.1 1708 2	**p-Toluidine** technical *p-Toluidine / p-Toluidina* $CH_3C_6H_4NH_2$ C_7H_9N $M = 107{,}15$ g/mol R: 23/24/25-33 S: 28-36/37-44 disposal: 19	WG. WG. *2922*	500 g 1 kg	23,75 43,75	20,20 37,20	19,– 35,–	18,3 33,7

refer explanations

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64875 A 6.1/21 C 6.1 2811 3	**p-Toluidinium chloride** PROSYNTH® *p-Toluidine chlorhydrate / p-Toluidinio cloruro* $CH_3C_6H_4NH_2 \cdot HCl$ $C_7H_{10}ClN$ $M = 143{,}62$ g/mol assay (ex Cl) ..... 99% melting range ..... 241–243 °C R: 23/24/25-33 S: 28-36/37-44 disposal: 7	WG. *2922*	250 g	38,25	32,50	30,60	28,70
63104 A 6.1/21 C 6.1 1935 1	**m-Tolunitrile** PROSYNTH® *m-Tolunitrile / m-Tolunitrilo* $CH_3C_6H_4CN$ C_8H_7N $M = 117{,}15$ g/mol **1 L ≈ 0,98 kg** assay (GC) ..... 98% boiling range (at 27 mbar) ..... 99–101 °C refractive index (n_D^{20}) 1,525	FL. *2927*	100 ml	10,50	8,95	8,40	7,90
63105 A 6.1/21A C 6.1 2811 1 +92 °C	**p-Tolunitrile** PROSYNTH® *p-Tolunitrile / p-Tolunitrilo* $CH_3C_6H_4CN$ C_8H_7N $M = 117{,}15$ g/mol assay (GC) ..... 98% melting range ..... 27–29 °C	PF. *2927*	100 g	13,25	11,25	10,60	9,95
	o-Toluyl acid see 2-Methylbenzoic acid						
	m-Toluyl acid see 3-Methylbenzoic acid						
	p-Toluyl acid see 4-Methylbenzoic acid						
	p-Toluyl chloride see 4-Methylbenzoyl chloride						
63109 A 6.1/21C B 6.1/25A C 6.1 2206 2	**Toluylene-2,4-diisocyanate** PROSYNTH® *Toluylène-2-4-diisocyanate / Toluileno-2,4-diisocianato* $CH_3C_6H_3(NCO)_2$ $C_9H_6N_2O_2$ $M = 174{,}16$ g/mol **1 L ≈ 1,22 kg** assay 2,4-isomer ..... 80% 2,6-isomer ..... 20% R: 26/27/28 S: 28-38-45 disposal: 7	FL. *2930*	250 ml	17,–	14,45	13,60	12,75
	Toluylene red see Neutral red						
63769	**2-Tolylacetic acid** PROSYNTH® *Acide 2-tolylacétique / Acido 2-tolilacético* $CH_3C_6H_4CH_2COOH$ $C_9H_{10}O_2$ $M = 150{,}18$ g/mol assay (alkalimetric) ..... 99% melting range ..... 86–88 °C	WG. *2914*	10 g	29,50	25,10	23,60	22,15
63770	**3-Tolylacetic acid** PROSYNTH® *Acide 3-tolylacétique / Acido 3-tolilacético* $CH_3C_6H_4CH_2COOH$ $C_9H_{10}O_2$ $M = 150{,}18$ g/mol assay (alkalimetric) ..... 99% melting range ..... 63–65 °C	WG. *2914*	10 g	26,25	22,30	21,–	19,70
63771	**4-Tolylacetic acid** PROSYNTH® *Acide 4-tolylacétique / Acido 4-tolilacético* $CH_3C_6H_4CH_2COOH$ $C_9H_{10}O_2$ $M = 150{,}18$ g/mol assay (alkalimetric) ..... 99% melting range ..... 89–91 °C	WG. *2914*	10 g	25,25	21,45	20,20	18,95

PANPEHA® universal indicator paper in strips

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63621 A 6.1/21A C 6.1 1935 1	**2-Tolylacetonitrile** PROSYNTH® *2-Tolylacétonitrile / 2-Tolilacetonitrilo* $CH_3C_6H_4CH_2CN$ C_9H_9N M = 131,18 g/mol — 1 L ≈ 1,01 kg assay (GC) ..... 98% boiling range ..... 116–118 °C refractive index (n_D^{20}) ..... 1,527 R: 23/24/25 S: 44 disposal: 15	FL. *2927*	25 ml	43,75	37,20	35,—	32,8
63622 A 6.1/21A C 6.1 1935 1	**3-Tolylacetonitrile** PROSYNTH® *3-Tolylacétonitrile / 3-Tolilacetonitrilo* $CH_3C_6H_4CH_2CN$ C_9H_9N M = 131,18 g/mol — 1 L ≈ 0,99 kg assay (GC) ..... 97% boiling range (at 20 mbar) ..... 131–133 °C refractive index (n_D^{20}) ..... 1,518 R: 23/24/25 S: 44 disposal: 15	FL. *2927*	25 ml	49,25	41,85	39,40	36,9
63110 A 6.1/21A C 6.1 1935 1	**4-Tolylacetonitrile** PROSYNTH® *4-Tolylacétonitrile / 4-Tolilacetonitrilo* $CH_3C_6H_4CH_2CN$ C_9H_9N M = 131,18 g/mol — 1 L ≈ 0,99 kg assay (GC) ..... 98% boiling range ..... 241–243 °C refractive index (n_D^{20}) ..... 1,519 R: 23/24/25 S: 44 disposal: 15	FL. *2927*	50 ml	113,50	96,50	90,80	85,1
39121	**N^{α}-Tosyl-L-arginine methyl ester hydrochloride** (TAME) BIOSYNTH® *Méthyle N^{α}-tosyl-L-argininate chlorhydrate (TAME) / Metilo N^{α}-tosil-L-argininato clorhidrato (TAME)* $HN=C(NH_2)NH(CH_2)_3CH(NHSO_2C_6H_4CH_3)COOCH_3 \cdot HCl$ $C_{14}H_{23}ClN_4O_4S$ M = 378,88 g/mol melting range ..... 144–146 °C	WG. *2936*	5 g	52,50	44,65	42,—	39,4
56026	**TPB** for scintillation [1,1,4,4-Tetraphenylbutadiene-(1,3)] $(C_6H_5)_2C=CHCH=C(C_6H_5)_2$ $C_{28}H_{22}$ M = 358,48 g/mol melting range ..... 201–203 °C	WG. *2901*	5 g	31,75	27,—	25,40	23,8
35763 A 6.1/83 C 6.1 ./. 3	**2,4,5-TP (Fenoprop)** min. 99% PESTANAL® [2-(2,4,5-Trichlorophenoxy)-peopionic acid] $Cl_3C_6H_2OCH(CH_3)COOH$ $C_9H_7Cl_3O_3$ M = 269,51 g/mol R: 20/21/22 S: 2-13 disposal: 7	FL. *2916*	1 g	19,25	16,35	15,40	14,4
35764 A 6.1/83 C 6.1 ./. 3	**2,4,5-TP-methyl ester** min. 99% PESTANAL® [2-(2,4,5-Trichlorophenoxy)-methyl propionate] $Cl_3C_6H_2OCH(CH_3)COOCH_3$ $C_{10}H_9Cl_3O_3$ M = 283,54 g/mol R: 20/21/22 S: 2-13 disposal: 7	FL. *2916*	1 g	21,50	18,30	17,20	16,1
	TPTZ see 2,4,6-Tris-(2'-pyridyl)-s-triazine						
18729	**Tragacanth** white fine powder DAB 7 *Gomme adragante / Goma tragacanto*	PF. *1302*	250 g	42,—	35,70	33,60	31,5
		PF. *1302*	1 kg	140,—	119,—	112,—	107,8
		FTP. *1302*	50 kg	price on request			

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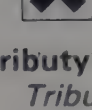
39160	**D(+)-Trehalose dihydrate** BIOSYNTH® *D(+)-Tréhalose dihydrate / D(+)-Trehalosa dihidrato* $C_{12}H_{22}O_{11} \cdot 2H_2O$ $M = 378{,}33$ g/mol melting range ..... 97–99 °C specific rotation ($[\alpha]_D^{20}$; c = 1 in H_2O) ..... +177° ± 2°	WG. *2943*	10 g	41,50	35,30	33,20	31,15
	Triacetin see Glycerol triacetate						
65141 +26 °C	**1,1,2-Triacetoxyethane** PROSYNTH® *1-1-2-Triacétoxyéthane / 1,1,2-Triacetoxietano* $(CH_3COO)_2CHCH_2OCOCH_3$ $C_8H_{12}O_6$ $M = 204{,}18$ g/mol assay (GC) 97%	FL. *2916*	100 ml	114,–	96,90	91,20	85,50
63772	**1,3,5-Triacetylbenzene** PROSYNTH® *1-3-5-Triacétylbenzène / 1,3,5-Triacetilbenceno* $C_6H_3(COCH_3)_3$ $C_{12}H_{12}O_3$ $M = 204{,}23$ g/mol assay (GC) ..... 90% melting range ..... 158–160 °C	WG. *2913*	25 g	12,–	10,20	9,60	9,–
35871 A 6.1/83 C 6.1 ./. 3	**Triallat** min. 99% PESTANAL® (N,N-Diisopropyl-2,3,3-trichloroallylthiocarbamate) $[(CH_3)_2CH]_2NCOSCH_2CCl=CCl_2$ $C_{10}H_{16}Cl_3NOS$ $M = 304{,}67$ g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 20/22 S: 2-13 disposal: 7	FL. *2931*	2 g	56,50	48,05	45,20	42,40
63773 A 6.1/21 C 6.1 2811 2	**Triallyl cyanurate** PROSYNTH® stabilized with hydroquinone (0,1 g/l) *Triallyle cyanurate / Trialilo cianurato* $N=C(OCH_2CH=CH_2)N=C(OCH_2CH_2CH=CH_2)N=C(OCH_2CH=CH_2)$ $C_{12}H_{15}N_3O_3$ $M = 249{,}27$ g/mol assay (GC) ..... 99% melting range ..... 26–28 °C keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	WG. *2935*	250 g	30,75	26,15	24,60	23,05
65110	**2,4,6-Triaminopyrimidine** PROSYNTH® *2-4-6-Triaminopyrimidine / 2,4,6-Triaminopirimidina* $N=C(NH_2)N=C(NH_2)CH=CNH_2$ $C_4H_7N_5$ $M = 125{,}13$ g/mol assay ..... 98% melting range ..... 247–250 °C	WG. *2935*	10 g	22,–	18,70	17,60	16,50
60340	**2,4,6-Triamino-1,3,5-triazine** PROSYNTH® *2-4-6-Triamino-1-3-5-triazine / 2,4,6-Triamino-1,3,5-triazina* $N=C(NH_2)N=C(NH_2)N=CNH_2$ $C_3H_6N_6$ $M = 126{,}12$ g/mol assay (ex N) 99%	PF. *2935*	1 kg	26,25	22,30	21,–	20,20
	Triammonium phosphate see *tri*-Ammonium phosphate						
63774 A 8/35 C 8 1760	**Triamylamine** PROSYNTH® (mixture of isomers) *Triamylamine / Triamilamina* $(C_5H_{11})_3N$ $C_{15}H_{33}N$ $M = 227{,}43$ g/mol **1 L ≈ 0,79 kg** assay (ex N) 99%	FL. *2922*	250 ml	37,75	32,10	30,20	28,30
36014	**Triazide solution** (Ehrlich's reagent II) for microscopy *Triazide en solution / Triacida en solución* **1 L ≈ 1,01 kg**	FL. *3819*	250 ml	10,50	8,95	8,40	7,90

PEHANAL® universal indicator paper in rolls

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSea)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Box
65140	**1,3,5-Triazine** PROSYNTH® *1-3-5-Triazine / 1,3,5-Triazina* $N=CHN=CHN=C$ $C_3H_3N_3$ $M = 81{,}08$ g/mol assay (GC) ..... 98% melting range ..... 78–80 °C	WG. WG. WG. *2935*	† 5 g 25 g † 100 g	31,– 120,– 405,–	26,35 102,– 344,25	96,–	90
63115	**1,2,4-Triazole** PROSYNTH® *1-2-4-Triazole / 1,2,4-Triazol* $N=NCH=NCH_2$ $C_2H_3N_3$ $M = 69{,}07$ g/mol assay (GC) ..... 98% melting range ..... 119–121 °C	WG. *2935*	10 g	25,25	21,45	20,20	18
	1,2,4-Triazolone-(3)-imide see 3-Amino-1,2,4-triazole						
63116	**Tribenzylamine** PROSYNTH® *Tribenzylamine / Tribencilamina* $(C_6H_5CH_2)_3N$ $C_{21}H_{21}N$ $M = 287{,}40$ g/mol assay (ex N) ..... 98% melting range ..... 91–93 °C	PF. *2922*	250 g	40,50	34,45	32,40	30
	Tribromoacetaldehyde see Bromal						
02881	**2,4,6-Tribromoacetanilide** *2-4-6-Tribromoacétanilide / 2,4,6-Tribromoacetanilida* $Br_3C_6H_2NHCOCH_3$ $C_8H_6Br_3NO$ $M = 371{,}85$ g/mol assay of bromine ..... 63–65% melting range ..... 236–236,7 °C	PF. *2925*	1 kg	price on request			
65111 A 8/21 C 8 ./. 2	**Tribromoacetic acid** PROSYNTH® *Acide tribromoacétique / Acido tribromoacético* Br_3CCOOH $C_2HBr_3O_2$ $M = 296{,}74$ g/mol assay (ex Br) ..... 99% melting range ..... 129–132 °C keep in refrigerator à stocker dans le refrigidaire almacenaje en la nevera R: 35 S: 24/25-26 disposal: 21	WG. *2914*	25 g	25,75	21,90	20,60	19
64887 A 6.1/21 B 6.1/21E C 6.1 2811 2	**2,4,6-Tribromoaniline** PROSYNTH® *2-4-6-Tribromoaniline / 2,4,6-Tribromoanilina* $NH_2C_6H_2Br_3$ $C_6H_4Br_3N$ $M = 329{,}82$ g/mol melting range ..... 118–119 °C R: 23/24/25-33 S: 28-36/37-44 disposal: 7	WG. *2922*	100 g	50,–	42,50	40,–	37
16354 A 6.1/21E C 6.1 2811 2	**2,4,6-Tribromoaniline** *2-4-6-Tribromoaniline / 2,4,6-Tribromoanilina* $NH_2C_6H_2Br_3$ $C_6H_4Br_3N$ $M = 329{,}82$ g/mol melting range ..... 118–119 °C R: 23/24/25-33 S: 28-36/37-44 disposal: 7	F. *2922*	200 kg	price on request			
64381 A 6.1/62A C 6.1 2811 3	**1,3,5-Tribromobenzene** PROSYNTH® *1-3-5-Tribromobenzène / 1,3,5-Tribromobenceno* $C_6H_3Br_3$ $M = 314{,}80$ g/mol assay (GC) ..... 98% melting range ..... 118–120 °C R: 20/21/22 S: 28 disposal: 7	PF. FTP. *2902*	50 g 50 kg	65,– price on request	55,25	52,–	48

refer explanations

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
64886 A 6.1/23 C 6.1 2811 2	**2,2,2-Tribromoethanol** PROSYNTH® *2-2-2-Tribromoéthanol / 2,2,2-Tribromoetanol* Br_3CCH_2OH $C_2H_3Br_3O$ *M* = 282,76 g/mol assay (ex Br) ..... 98% melting range ..... 77–80 °C keep in refrigerator à stocker dans le refrigidaire almacenaje en la nevera	WG. *2904*	25 g	50,50	42,95	40,40	37,90
63775 A 6.1/13C C 6.1 2811 3	**2,4,6-Tribromophenol** PROSYNTH® *2-4-6-Tribromophénol / 2,4,6-Tribromofenol* $Br_3C_6H_2OH$ $C_6H_3Br_3O$ *M* = 330,80 g/mol assay (alkalimetric) ..... 98% melting range ..... 89–92 °C  R: 23/24/25 S: 44 disposal: 7	WG. FTP. *2907*	500 g 50 kg	36,–	30,60 price on request	28,80	27,70
65162 A 3/3 C 3.3 1992 2 +53 °C	**2,3,5-Tribromothiophene** PROSYNTH® *Tribromo-2-3-5-thiophène / 2,3,5-Tribromotiofeno* $SCBr=CBrCH=CBr$ C_4HBr_3S *M* = 320,83 g/mol assay (GC) ..... 99% melting range ..... 26–28 °C	FL. *2935*	50 ml	110,–	93,50	88,–	82,50
16344 A 3/4 C 8 2542 3 +79 °C	**Tributylamine** pure *Tributylamine / Tributilamina* $(C_4H_9)_3N$ $C_{12}H_{27}N$ *M* = 185,35 g/mol **1 L ≈ 0,79 kg** assay (GC) ..... 98% boiling range ..... 215–218 °C density (D_4^{20}) 0,779–0,782	FL. EKL. *2922*	2,5 L 20 kg	70,–	58,10 price on request	54,60	52,50
33766	**Tributyl phosphate** for extraction analysis *Tributyle phosphate / Tributilo fosfato* $(CH_3CH_2CH_2CH_2O)_3PO$ $C_{12}H_{27}O_4P$ *M* = 266,32 g/mol **1 L ≈ 0,98 kg** assay (GC) ..... min. 99% water (according to Karl Fischer) ..... max. 0,1% acid number ..... 1 iron (Fe) ..... max. 0,0001% heavy metals (as Pb) ..... max. 0,0001% R: 22 S: 25 disposal: 7	FL. *2919*	500 ml	26,50	22,55	21,20	20,40
60289	**Tributyl phosphate** PROSYNTH® *Tributyle phosphate / Tributilo fosfato* $(CH_3CH_2CH_2CH_2O)_3PO$ $C_{12}H_{27}O_4P$ *M* = 266,32 g/mol **1 L ≈ 0,98 kg** assay (GC) ..... 99% boiling range (at 13 mbar) ..... 155–157 °C refractive index (n_D^{20}) ..... 1,424 R: 22 S: 25 disposal: 7	PF. FPF. *2919*	500 ml 25 kg	22,–	18,70 price on request	17,60	16,95
63119 A 3/3 C 3.3 1992 2 +40 °C	**Tributyl phosphine** PROSYNTH® *Tributylphosphine / Tributilfosfina* $(CH_3CH_2CH_2CH_2)_3P$ $C_{12}H_{27}P$ *M* = 202,32 g/mol **1 L ≈ 0,82 kg** assay (GC) ..... 98% boiling range (at 67 mbar) ..... 148–150 °C refractive index (n_D^{20}) ..... 1,462 R: 10-20/21/22 disposal: 7	FL. *2934*	50 ml	13,25	11,25	10,60	9,95

Code-Number
A) RID/ADR
B) GGVE/GGVS
C) IMDG-CODE (GGVSee)

Type of package *B.T.N.* | Price per package DM | 1x | 6x (1 Box) | 24x (4 Boxes) | 9

65112 **Tributyl phosphite** PROSYNTH®
Tributylphosphite / Tributilfosfito
A 3/4
+82 °C
$(CH_3CH_2CH_2CH_2O)_3P$
$C_{12}H_{27}O_3P$ $M = 250{,}32$ g/mol **1 L ≈ 0,91 kg**

FL. *2921* | 100 ml | 16,— | 13,60 | 12,80 | 1

64891 **Tributyltin acetate** PROSYNTH®
Tributylétain acétate / Tributilestaño acetato
A 6.1/81F2
C 6.1 1615 3
$(CH_3CH_2CH_2CH_2)_3SnOCOCH_3$
$C_{14}H_{30}O_2Sn$ $M = 349{,}08$ g/mol

assay (ex Sn) 95%
melting range ..... 79–82 °C

R: 23/24/25 S: 2-13-44
disposal: 10

WG. *2934* | 50 g | 35,— | 29,75 | 28,— | 2

63120 **Tributyltin chloride** PROSYNTH®
Tributylétain chlorure / Tributilestaño cloruro
A 6.1/81F2
C 6.1 2810 2
$(CH_3CH_2CH_2CH_2)_3SnCl$
$C_{12}H_{27}ClSn$ $M = 325{,}49$ g/mol **1 L ≈ 1,20 kg**

assay (ex Cl) 96%
boiling range (at 33 mbar) ..... 171–173 °C
refractive index (n_D^{20}) 1,491

R: 23/24/25 S: 2-13-44
disposal: 10

FL. *2934* | 100 ml | 28,50 | 24,25 | 22,80 | 2

39372 **Tributyrin** BIOSYNTH®
Glycérine tributirato / Glicerina tributirato
$(CH_3CH_2CH_2COOCH_2)_2CHOCOCH_2CH_2CH_3$
$C_{15}H_{26}O_6$ $M = 302{,}37$ g/mol **1 L ≈ 1,03 kg**

FL. *2914* | 100 ml | 16,50 | 14,05 | 13,20

Tricalcium-bis(phosphate) see *tri*-Calcium phosphate

Trichlorhydrin see 1,2,3-Trichloropropane

Trichloroacetaldehyde see Chloral

Trichloroacetaldehyde hydrate see Chloral hydrate

65165 **Trichloroacetamide** PROSYNTH®
Trichloroacétamide / Tricloroacetamida
Cl_3CCONH_2
$C_2H_2Cl_3NO$ $M = 162{,}40$ g/mol

assay (GC) 99%
melting range ..... 139–141 °C

WG. *2925* | 250 g | 64,50 | 54,85 | 51,60

33731 **Trichloroacetic acid** R. G., Reag. ACS
A 8/21A1
C 8 1839 2
Acide trichloroacétique / Acido tricloroacético
Cl_3CCOOH
$C_2HCl_3O_2$ $M = 163{,}39$ g/mol

assay ..... min. 99,5%
insoluble in water ..... max. 0,005%
sulphated ash ..... max. 0,01%
iron (Fe) ..... max. 0,001%
copper (Cu) ..... mac. 0,0005%
heavy metals (as Pb) ..... max. 0,002%
chloride (Cl) ..... max. 0,001%
nitrate (NO_3) ..... max. 0,002%
phosphate (PO_4) ..... max. 0,0005%
sulphate (SO_4) ..... max. 0,01%
matters reducing $KMnO_4$ (as O) ..... max. 0,0005%
reaction to sulphuric acid ..... passes test

R: 35 S: 24/25-26
disposal: 21

WG. *2914* | 100 g | 10,50 | 8,95 | 8,40
WG. | 500 g | 31,75 | 27,— | 25,40
WG. | 1 kg | 58,— | 49,30 | 46,40

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refer explanations

de-Number / ID/ADR / GVE/GGVS / MDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
242	**Trichloroacetic acid** pure cryst. Ph. Eur. I, B. P. 1973, Ph. Franç. IX, U. S.P. XIX	WG.	500 g	26,75	22,75	21,40	20,60
/21A1	*Acide trichloracétique / Acido tricloroacético*	WG.	1 kg	49,50	42,10	39,60	38,10
1839 2	Cl_3CCOOH	WG.	2,5 kg	105,50	87,55	82,30	79,15
	$C_2HCl_3O_2$ $M = 163{,}39$ g/mol	F.	50 kg	kg	19,50		
		2914					
	assay ..... 99,5 % loss on drying (18 h over silicagel) ..... 0,5 % sulphated ash ..... 0,02 % chloride (Cl) ..... 0,005 % sulphate (SO_4) ..... 0,05 %						
	R: 35 S: 24/25-26 disposal: 21						
5117	**Trichloroacetic anhydride** PROSYNTH®	FL.	25 ml	23,50	20,—	18,80	17,65
8/21A	*Anhydride trichloroacétique / Anhídrido tricloroacético*	2914					
8 1839 2	$(Cl_3CCO)_2O$						
	$C_4Cl_6O_3$ $M = 308{,}76$ g/mol 1 L ≈ 1,69 kg						
	assay (alkalimetric) ..... 98 % boiling range (at 15 mbar) ..... 97—100 °C refractive index (n_D^{20}) 1,484						
	R: 35 S: 24/25-26 disposal: 21						
4894	**Trichloroacetonitrile** PROSYNTH®	FL.	50 ml	41,50	35,30	33,20	31,15
6.1/11	*Trichloroacétonitrile / Tricloroacetonitrilo*	2927					
6.1 2810 2	Cl_3CCN						
	C_2Cl_3N $M = 144{,}39$ g/mol 1 L ≈ 1,43 kg						
	assay (GC) ..... 98 % boiling range ..... 82—84 °C refractive index (n_D^{20}) 1,440						
	R: 23/24/25 S: 44 disposal: 15						
35872	**α,2,4-Trichloroacetophenone** min. 99 % PESTANAL®	FL.	1 g	28,25	24,—	22,60	21,20
6.1/23B	$ClCH_2CO\underline{C=CClCH=CClCH=CH}$	2913					
6.1 1697 2	$C_8H_5Cl_3O$ $M = 223{,}49$ g/mol						
60400	**Trichloroacetyl chloride** PROSYNTH®	FL.	100 ml	20,—	17,—	16,—	15,—
8/22	*Trichloroacétyle chlorure / Tricloroacetilo cloruro*	2914					
8 2564 2	Cl_3CCOCl						
	C_2Cl_4O $M = 181{,}83$ g/mol 1 L ≈ 1,62 kg						
	assay (ex Cl) ..... 97 % boiling range ..... 113—115 °C refractive index (n_D^{20}) 1,470						
54895	**Trichloroacetyl *iso*-cyanate** PROSYNTH®	FL.	10 ml	81,—	68,85	64,80	60,75
A 6.1/21 C	*Trichloroacétyle iso-cyanate / Tricloroacetilo iso-cianato*	2930					
3 6.1/66	$Cl_3CCONCO$						
C 6.1 2206 2	$C_3Cl_3NO_2$ $M = 188{,}40$ g/mol 1 L ≈ 1,60 kg						
	assay (GC) ..... 98 % refractive index (n_D^{20}) 1,480						
	R: 23/24/25 S: 44 disposal: 7						
65113	**2,3,4-Trichloroaniline** PROSYNTH®	WG.	10 g	18,75	15,95	15,—	14,05
A 6.1/21E	*Trichloro-2-3-4-aniline / 2,3,4-Tricloroanilina*	2922					
C 6.1 2811 2	$Cl_3C_6H_2NH_2$						
	$C_6H_4Cl_3N$ $M = 196{,}46$ g/mol						
	assay (GC) ..... 98 % melting range ..... 65—67 °C						
	R: 23/24/25-33 S: 28-36/37-44 disposal: 7						

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	9 (16 B
35828 A 6.1/21E C 6.1 2811 2	**2,4,5-Trichloroaniline** min. 99% PESTANAL® *Trichloro-2-4-5-aniline / 2,4,5-Tricloroanilina* $Cl_3C_6H_2NH_2$ $C_6H_4Cl_3N$ M = 196,46 g/mol R: 23/24/25-33 S: 28-36/37-44 disposal: 7	FL. *2922*	5 g	21,50	18,30	17,20	16
63121 A 6.1/21E C 6.1 2811 2	**2,4,5-Trichloroaniline** PROSYNTH® *Trichloro-2-4-5-aniline / 2,4,5-Tricloroanilina* $Cl_3C_6H_2NH_2$ $C_6H_4Cl_3N$ M = 196,46 g/mol assay (GC) ..... 98% melting range ..... 93–94 °C R: 23/24/25-33 S: 28-36/37-44 disposal: 7	PF. *2922*	100 g	11,—	9,35	8,80	8
64896 A 6.1/21E C 6.1 2811 2	**2,4,6-Trichloroaniline** PROSYNTH® *Trichloro-2-4-6-aniline / 2,4,6-Tricloroanilina* $Cl_3C_6H_2NH_2$ $C_6H_4Cl_3N$ M = 196,46 g/mol assay (GC) ..... 98% melting range ..... 75–77 °C R: 23/24/25-33 S: 28-36/37-44 disposal: 7	WG. *2922*	250 g	117,—	99,45	93,60	87
60490 C 6.1 2321 3	**1,2,3-Trichlorobenzene** PROSYNTH® *Trichloro-1-2-3-benzène / 1,2,3-Triclorobenceno* $C_6H_3Cl_3$ M = 181,45 g/mol assay (GC) ..... 99% melting range ..... 52–54 °C R: 20/21/22 S: 28 disposal: 7	WG. *2902*	250 g	9,50	8,10	7,60	
65114 A 8/12 C 8 *2305 2	**2,4,5-Trichlorobenzenesulphonyl chloride** PROSYNTH® *Trichloro-2-4-5benzènesulfonyl chlorure / 2,4,5-Triclorobenzosulfonilo cloruro* $Cl_3C_6H_2SO_2Cl$ $C_6H_2Cl_4O_2S$ M = 279,96 g/mol assay (ex Cl) ..... 99% melting range ..... 66–68 °C	WG. *2903*	100 g	34,50	29,35	27,60	2
	Trichloro-*tert.*-butyl alcohol see Acetone chloroform						
65115 A 6.1/21 C 5.1 2468 2	**Trichloro *iso*-cyanuric acid** PROSYNTH® *Acide trichloro iso-cyanurique / Acido trichloro iso-cianúrico* NClCONClCONClCO $C_3Cl_3N_3O_3$ M = 232,41 g/mol assay (iodometric) ..... 98% melting range ..... 249–251 °C R: 8-22-31-36/37 S: 8-26-41 disposal: 10	WG. *2935*	100 g	16,50	14,05	13,20	1
65116 A 6.1/21K C 6.1 1578 2	**2,4,5-Trichloro-1,3-dinitrobenzene** PROSYNTH® *Trichloro-2-4-5-dinitrobenzène-1-3 / 2,4,5-Tricloro-1,3-dinitrobenceno* $Cl_3C_6H(NO_2)_2$ $C_6HCl_3N_2O_4$ M = 271,44 g/mol assay ..... 97% melting range ..... 101–103 °C R: 23/24/25-33 S: 28-37-44 disposal: 20	WG. *2903*	10 g	18,75	15,95	15,—	1

refer explanations

ode-Number RID/ADR GGVE/GGVS IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
0866	**1,1,1-Trichloroethane** min. 99,9% for gas chromatography *Trichloro-1-1-1-éthane / 1,1,1-Tricloroetano* CH_3CCl_3 $C_2H_3Cl_3$ $M = 133{,}40$ g/mol **1 L ≈ 1,31 kg** R: 20/22 S: 2-25 disposal: 13	FL. *2902*	5 ml	49,25	41,85	39,40	36,95
0867	**1,1,2-Trichloroethane** min. 99,9% for gas chromatographiy *Trichloro-1-1-2-éthane / 1,1,2-Tricloroetano* $ClCH_2CHCl_2$ $C_2H_3Cl_3$ $M = 133{,}40$ g/mol **1 L ≈ 1,44 kg** R: 20/21/22 S: 9 disposal: 13	FL. *2902*	5 ml	49,25	41,85	39,40	36,95
7949	**1,1,1-Trichloroethane** PURANAL® *Trichloro-1-1-1-éthane / 1,1,1-Tricloroetano* CH_3CCl_3 $C_2H_3Cl_3$ $M = 133{,}40$ g/mol **1 L ≈ 1,31 kg** assay (GC) ..... min. 94% boiling range ..... 74—76 °C density (D_4^{20}) ..... 1,325—1,330 refractive index (n_D^{20}) ..... 1,4360—1,4380 non-volatile matter ..... max. 5 ppm water (according to Karl Fischer) ..... max. 200 ppm free acid (as HCl) ..... max. 10 ppm free alkali (as NH_3) ..... max. 1 ppm aluminium (Al) ..... max. 0,05 ppm antimony (Sb) ..... max. 0,01 ppm arsenic (As) ..... max. 0,01 ppm barium (Ba) ..... max. 0,1 ppm beryllium (Be) ..... max. 0,01 ppm lead (Pb) ..... max. 0,02 ppm boron (B) ..... max. 0,02 ppm cadmium (Cd) ..... max. 0,01 ppm calcium (Ca) ..... max. 0,2 ppm chromium (Cr) ..... max. 0,01 ppm iron (Fe) ..... max. 0,1 ppm gallium (Ga) ..... max. 0,02 ppm gold (Au) ..... max. 0,02 ppm indium (In) ..... max. 0,02 ppm potassium (K) ..... max. 0,1 ppm cobalt (Co) ..... max. 0,01 ppm copper (Cu) ..... max. 0,01 ppm lithium (Li) ..... max. 0,02 ppm magnesium (Mg) ..... max. 0,1 ppm manganese (Mn) ..... max. 0,01 ppm molybdenum (Mo) ..... max. 0,01 ppm sodium (Na) ..... max. 0,2 ppm nickel (Ni) ..... max. 0,01 ppm platinum (Pt) ..... max. 0,02 ppm silver (Ag) ..... max. 0,02 ppm strontium (Sr) ..... max. 0,02 ppm thallium (Tl) ..... max. 0,02 ppm titanium (Ti) ..... max. 0,01 ppm vanadium (V) ..... max. 0,01 ppm bismuth (Bi) ..... max. 0,02 ppm zinc (Zn) ..... max. 0,05 ppm tin (Sn) ..... max. 0,02 ppm zirconium (Zr) ..... max. 0,01 ppm free chlorine (Cl) ..... max. 0,3 ppm chloride (Cl) ..... max. 5 ppm R: 20/22 S: 2-25 disposal: 13	FL. *2902*	2,5 L	price on request			
60314 A 3/4 +88 °C	**2,2,2-Trichloroethanol** PROSYNTH® *Trichloro-2-2-2-éthanol / 2,2,2-Tricloroetanol* Cl_3CCH_2OH $C_2H_3Cl_3O$ $M = 149{,}40$ g/mol **1 L ≈ 1,55 kg** assay (GC) ..... 97% boiling range (at 15 mbar) ..... 50—52 °C refractive index (n_D^{20}) ..... 1,486 R: 20/21/22 S: 28 disposal: 7	FL. *2904*	100 ml	42,75	36,35	34,20	32,05

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)	Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	9 (16 B
64872 **2,2,2-Trichloroethyl chloroformate** PROSYNTH® A 6.1/61F *Trichloroéthyle-2-2-2-chloroformiate / 2,2,2-Tricloroetilo* C 6.1 2810 2 *cloroformiato* $ClCOOCH_2CCl_3$ $C_3H_2Cl_4O_2$ *M* = 211,86 g/mol **1 L ≈ 1,56 kg** assay (GC) ..... 97% boiling range ..... 170—172 °C refractive index (n_D^{20}) ..... 1,471 keep in refrigerator à stocker dans le refrrgidaire almacenaje en la nevera R: 36/37/38 S: 26 disposal: 7	FL. *2914*	10 ml	18,—	15,30	14,40	1
30868 **Trichloroethylene** min. 99,9% for gas chromatography C 6.1 1710 3 *Trichloroéthylène / Tricloroetileno* $ClHC=CCl_2$ C_2HCl_3 *M* = 131,39 g/mol **1 L ≈ 1,46 kg** R: 20/22 S: 2-25 disposal: 13	FL. *2902*	5 ml	49,25	41,85	39,40	3
17933 **Trichloroethylene MOS** PURANAL® particle class 0 C 6.1 1710 3 *Trichloroéthylène / Trichloroetileno* $ClHC=Cl_2$ C_2HCl_3 *M* = 131,39 g/mol **1 L ≈ 1,46 kg** assay (GC) ..... min. 99,8% boiling range ..... 86—88 °C density (D_4^{20}) ..... 1,460—1,480 refractive index (n_D^{20}) ..... 1,4770—1,4780 non-volatile matter ..... max. 5 ppm water (according to Karl Fischer) ..... max. 50 ppm free acid (as HCl) ..... max. 5 ppm free alkali (as NH_3) ..... max. 4 ppm aluminium (Al) ..... max. 0,05 ppm antimony (Sb) ..... max. 0,01 ppm arsenic (As) ..... max. 0,01 ppm barium (Ba) ..... max. 0,1 ppm beryllium (Be) ..... max. 0,01 ppm lead (Pb) ..... max. 0,02 ppm boron (B) ..... max. 0,02 ppm cadmium (Cd) ..... max. 0,01 ppm calcium (Ca) ..... max. 0,2 ppm chromium (Cr) ..... max. 0,01 ppm iron (Fe) ..... max. 0,1 ppm gallium (Ga) ..... max. 0,02 ppm gold (Au) ..... max. 0,02 ppm indium (In) ..... max. 0,02 ppm potassium (K) ..... max. 0,1 ppm cobalt (Co) ..... max. 0,01 ppm copper (Cu) ..... max. 0,01 ppm lithium (Li) ..... max. 0,02 ppm magnesium (Mg) ..... max. 0,1 ppm manganese (Mn) ..... max. 0,01 ppm molybdenum (Mo) ..... max. 0,01 ppm sodium (Na) ..... max. 0,2 ppm nickel (Ni) ..... max. 0,01 ppm platinum (Pt) ..... max. 0,02 ppm silver (Ag) ..... max. 0,02 ppm strontium (Sr) ..... max. 0,02 ppm thallium (Tl) ..... max. 0,02 ppm titanium (Ti) ..... max. 0,01 ppm vanadium (V) ..... max. 0,01 ppm bismuth (Bi) ..... max. 0,02 ppm zinc (Zn) ..... max. 0,05 ppm tin (Sn) ..... max. 0,02 ppm zirconium (Zr) ..... max. 0,01 ppm free chlorine (Cl) ..... max. 0,3 ppm chloride (Cl) ..... max. 1 ppm R: 20/22 S: 2-25 disposal: 13	FL. *2902*	2,5 L	price on request			

refer explanations

Code-Number RID/ADR GGVE/GGVS IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
7940 6.1 1710 3	**Trichloroethylene** PURANAL® *Trichloroéthylène / Tricloroetileno* $ClHCCCl_2$ C_2HCl_3 $M = 131,39$ g/mol — 1 L ≈ 1,46 kg assay (GC) ..... min. 99,8% boiling range ..... 86—88 °C density (D_4^{20}) ..... 1,460—1,480 refractive index (n_D^{20}) ..... 1,4770—1,4780 non-volatile matter ..... max. 5 ppm water (according to Karl Fischer) ..... max. 50 ppm free acid (as HCl) ..... max. 5 ppm free alkali (as NH_3) ..... max. 4 ppm aluminium (Al) ..... max. 0,05 ppm antimony (Sb) ..... max. 0,01 ppm arsenic (As) ..... max. 0,01 ppm barium (Ba) ..... max. 0,1 ppm beryllium (Be) ..... max. 0,01 ppm lead (Pb) ..... max. 0,02 ppm cadmium (Cd) ..... max. 0,01 ppm calcium (Ca) ..... max. 0,2 ppm chromium (Cr) ..... max. 0,01 ppm iron (Fe) ..... max. 0,1 ppm gallium (Ga) ..... max. 0,02 ppm gold (Au) ..... max. 0,02 ppm indium (In) ..... max. 0,02 ppm potassium (K) ..... max. 0,1 ppm cobalt (Co) ..... max. 0,01 ppm copper (Cu) ..... max. 0,01 ppm lithium (Li) ..... max. 0,02 ppm magnesium (Mg) ..... max. 0,1 ppm manganese (Mn) ..... max. 0,01 ppm molybdenum (Mo) ..... max. 0,01 ppm sodium (Na) ..... max. 0,2 ppm nickel (Ni) ..... max. 0,01 ppm platinum (Pt) ..... max. 0,02 ppm silver (Ag) ..... max. 0,02 ppm strontium (Sr) ..... max. 0,02 ppm thallium (Tl) ..... max. 0,02 ppm titanium (Ti) ..... max. 0,01 ppm vanadium (V) ..... max. 0,01 ppm bismuth (Bi) ..... max. 0,02 ppm zinc (Zn) ..... max. 0,05 ppm tin (Sn) ..... max. 0,02 ppm zirconium (Zr) ..... max. 0,01 ppm free chlorine (Cl) ..... max. 0,3 ppm chloride (Cl) ..... max. 1 ppm R: 20/22 S: 2-25 disposal: 13	FL. *2902*	2,5 L	price on request			
24254 C 6.1 1710 3	**Trichloroethylene** technical *Trichloroéthylène / Tricloroetileno* $ClHC=CCl_2$ C_2HCl_3 $M = 131,39$ g/mol — 1 L ≈ 1,46 kg assay (GC) ..... 99% boiling range ..... 86—88 °C density (D_4^{20}) ..... 1,460—1,480 refractive index (n_D^{20}) ..... 1,4770—1,4780 R: 20/22 S: 2-25 disposal: 13	FL. FL. EKL. EKL. EKL. F. *2902*	1 L 2,5 L 45 kg 5x 10x 250 kg	19,— 38,75 kg kg kg price on request	16,15 32,15 3,70 3,50 3,25	15,20 30,25	14,65 29,05
61382	**2,4,5-Trichlorofluorobenzene** PROSYNTH® *Trichloro-2-4-5-fluorobenzène / 2,4,5-Triclorofluorobenceno* $C_6H_2Cl_3F$ $M = 199,44$ g/mol assay (GC) ..... 95% melting range ..... 62—64 °C	WG. *2902*	10 g	104,50	88,85	83,60	78,40

2,4,5-Trichloro-1-hydroxybenzene see 2,4,5-Trichlorophenol

2,4,6-Trichloro-1-hydroxybenzene see 2,4,6-Trichlorophenol

Trichloromethane see Chloroform

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	(16
63124 A 6.1/12E C 6.1 1670 1	**Trichloromethanesulphenyl chloride** PROSYNTH® *Trichlorométhanesulfényle chlorure / Triclorometanosulfenilo cloruro* CCl_3SCl CCl_4S M = 185,89 g/mol **1 L ≈ 1,70 kg** assay (ex Cl) ..... 98 % boiling range ..... 148 – 151 °C refractive index (n_D^{20}) ..... 1,544 R: 26/27/28 S: 1-13-28-45 disposal: 21	FL. *2931*	500 ml	50,50	42,95	40,40	3
64901 A 8/22 C 8 1759 2	**Trichloromethanesulphonyl chloride** PROSYNTH® *Trichlorométhanesulfonyle chlorure / Triclorometanosulfonilo cloruro* CCl_3SO_2Cl CCl_4O_2S M = 217,89 g/mol assay (ex Cl) ..... 97 % melting range ..... 136 – 138 °C R: 26/27/28 S: 1-13-28-45 disposal: 21	WG. *2903*	25 g	73,50	62,50	58,80	5
	Trichloromethylbenzene see Benzotrichloride						
	1,1,1-Trichloro-2-methylpropanol(2) see Acetone chloroform						
63777 A 6.1/21K C 6.1 2811 2	**2,3,4-Trichloronitrobenzene** PROSYNTH® *2-3-4-Trichloronitrobenzène / 2,3,4-Tricloronitrobenceno* $C_6H_2Cl_3NO_2$ M = 226,45 g/mol assay (GC) ..... 98 % melting range ..... 54 – 56 °C R: 23/24/25-33 S: 28-37-44 disposal: 20	WG. *2903*	25 g	15,50	13,20	12,40	
63778 A 6.1/21K C 6.1 2811 2	**2,4,5-Trichloronitrobenzene** PROSYNTH® *2-4-5-Trichloronitrobenzène / 2,4,5-Tricloronitrobenceno* $C_6H_2Cl_3NO_2$ M = 226,45 g/mol assay (GC) ..... 98 % R: 23/24/25-33 S: 28-37-44 disposal: 20	WG. *2903*	250 g	19,25	16,35	15,40	
65118 A 6.1/61I C 6.1 1580 1	**Trichloronitromethane** PROSYNTH® *Trichloronitrométhane / Tricloronitrometáno* CCl_3NO_2 M = 164,38 g/mol **1 L ≈ 1,65 kg** assay (ex Cl) ..... 98 % boiling range ..... 110 – 112 °C refractive index (n_D^{20}) ..... 1,462 R: 26/27/28-36/37/38 S: 26-36-45 disposal: 20	FL. *2903*	250 ml	28,25	24,–	22,60	
64945 A 8/23B C 8 1760 2	**Trichlorooctadecylsilane** PROSYNTH® *Trichloroctadécylsilane / Triclorooctadecilsilano* $C_{18}H_{37}SiCl_3$ M = 387,93 g/mol **1 L ≈ 0,98 kg** assay (ex Cl) ..... 98 % boiling range (at 0,27 mbar) ..... 163 – 165 °C refractive index (n_D^{20}) ..... 1,460 R: 36/37/38 S: 26 disposal: 7	FL. *2934*	250 ml	131,–	111,35	104,80	

refer explanations

Code-Number
1) RID/ADR
2) GGVE/GGVS
3) IMDG-CODE (GGVSee)

		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
64902 A 6.1/23 C 6.1 2811 3	**2,3,6-Trichlorophenol** PROSYNTH® *Trichloro-2-3-6-phénol / 2,3,6-Triclorofenol* $Cl_3C_6H_2OH$ $C_6H_3Cl_3O$ M = 197,45 g/mol assay (GC) ..... 99% melting range ..... 53–55 °C R: 22-36/38 S: 26-28 disposal: 7	WG. *2907*	25 g	60,–	51,–	48,–	45,–
65119 A 6.1/13C C 6.1 2020 3	**2,3,4-Trichlorophenol** PROSYNTH® *Trichloro-2-3-4-phénol / 2,3,4-Triclorofenol* $Cl_3C_6H_2OH$ $C_6H_3Cl_3O$ M = 197,45 g/mol assay (GC) ..... 98% melting range ..... 76–79 °C R: 22-36/38 S: 26-28 disposal: 7	WG. *2907*	10 g	34,–	28,90	27,20	25,50
65120 A 6.1/13C C 6.1 2020 3	**2,3,5-Trichlorophenol** PROSYNTH® *Trichloro-2-3-5-phénol / 2,3,5-Triclorofenol* $Cl_3C_6H_2OH$ $C_6H_3Cl_3O$ M = 197,45 g/mol assay (GC) ..... 97% melting range ..... 58–60 °C R: 22-36/38 S: 26-28 disposal: 7	WG. *2907*	10 g	31,25	26,55	25,–	23,45
35832 A 6.1/13C C 6.1 2811 3	**2,4,5-Trichlorophenol** min. 99% PESTANAL® *Trichloro-2-4-5-phénol / 2,4,5-Triclorofenol* $Cl_3C_6H_2OH$ $C_6H_3Cl_3O$ M = 197,45 g/mol R: 22-36/38 S: 26-28 disposal: 7	FL. *2907*	5 g	19,25	16,35	15,40	14,45
63126 A 6.1/13C C 6.1 2020 3	**2,4,5-Trichlorophenol** PROSYNTH® *Trichloro-2-4-5-phénol / 2,4,5-Triclorofenol* $Cl_3C_6H_2OH$ $C_6H_3Cl_3O$ M = 197,45 g/mol assay ..... 98% melting range ..... 63–65 °C R: 22-36/38 S: 26-28 disposal: 7	WG. *2907*	500 g	32,50	27,65	26,–	25,05
63127 A 6.1/13C C 6.1 2020 3	**2,4,6-Trichlorophenol** PROSYNTH® *Trichloro-2-4-6-phénol / 2,4,6-Triclorofenol* $Cl_3C_6H_2OH$ $C_6H_3Cl_3O$ M = 197,45 g/mol assay (GC) ..... 98% melting range ..... 64–66 °C R: 22-36/38 S: 26-28 disposal: 7	WG. *2907*	500 g	71,–	60,35	56,80	54,65
63779 A 6.1/83NB C 6.1 2588 3	**2,4,5-Trichlorophenoxyacetic acid** PROSYNTH® *Acide 2-4-5-trichlorophénoxyacétique / Acido 2,4,5-triclorofenoxiacético* $Cl_3C_6H_2OCH_2COOH$ $C_8H_5Cl_3O_3$ M = 255,48 g/mol assay (alkalimetric) ..... 98% melting range ..... 153–155 °C R: 20/21/22-40 S: 2-13 disposal: 21	WG. *2916*	250 g	43,75	37,20	35,–	32,80

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60315	**2,4,5-Trichlorophenyl-*tert.*-butyl carbonate** PROSYNTH® *Trichloro-2-4-5-phényl-tert.-butyle carbonate / 2,4,5-Triclorofenil-terc.-butilo carbonato* $Cl_3C_6H_2OCO_2C(CH_3)_3$ $C_{11}H_{11}Cl_3O_3$ *M* = 297,57 g/mol assay (HPLC) ..... 98% melting range ..... 67–69 °C	WG. WG. *2921*	5 g 25 g	29,50 112,50	25,10 95,65	23,60 90,–	22 84
35761 A 6.1/81A C 6.1 1615 3	**Trichlorophon** min. 99% PESTANAL® [0,0-Dimethyl-(2,2,2-trichloro-1-hydroxyethyl)-phosphonate] $(CH_3O)_2P(O)CH(OH)CCl_3$ $C_4H_8Cl_3O_4P$ *M* = 257,44 g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 20/21/22 S: 2-13 disposal: 7	FL. *2919*	1 g	28,25	24,–	22,60	21
30869 A 6.1/12C C 6.1 • 1702 2 +74 °C	**1,2,3-Trichloropropane** min. 99,9% for gas chromatography *Trichloro-1-2-3-propane / 1,2,3-Tricloropropano* $CH_2ClCHClCH_2Cl$ $C_3H_5Cl_3$ *M* = 147,43 g/mol **1 L ≈ 1,38 kg**	FL. *2902*	5 ml	49,25	41,85	39,40	36
64903 A 6.1/12C C 6.1 2810 2 +74 °C	**1,2,3-Trichloropropane** PROSYNTH® *Trichloro-1-2-3-propane / 1,2,3-Tricloropropano* $CH_2ClCHClCH_2Cl$ $C_3H_5Cl_3$ *M* = 147,43 g/mol **1 L ≈ 1,38 kg** assay (GC) ..... 97% boiling range ..... 154–156 °C refractive index (n_D^{20}) 1,483	FL. *2902*	1 L	44,25	37,60	35,40	34
63781	**2,4,5-Trichlorotoluene** PROSYNTH® *Trichloro-2-4-5-toluène / 2,4,5-Triclorotolueno* $CH_3C_6H_2Cl_3$ $C_7H_5Cl_3$ *M* = 195,48 g/mol assay (GC) ..... 98% melting range ..... 78–80 °C	WG. *2902*	5 g	37,25	31,65	29,80	27
	a,2,6-Trichlorotoluene see 2,6-Dichlorobenzyl chloride						
	2,4,6-Trichloro-1,3,5-triazine see Cyanuric chloride						
61456 A 6.1/21B C 6.1 2811 2	**1,1,1-Trichloro-3,3,3-trifluoroacetone** PROSYNTH® *Trichloro-1-1-1-trifluoroacétone-3-3-3 / 1,1,1-Tricloro-3,3,3-trifluoroacetona* Cl_3CCOCF_3 $C_3Cl_3F_3O$ *M* = 215,39 g/mol	WG. *2913*	5 g	60,50	51,45	48,40	45
34932 A 6.1/61 C 6.1 2810 3	**1,1,2-Trichlorotrifluoroethane** SPECTRANAL® *Trichloro-1-1-2-trifluoroéthane / 1,1,2-Triclorotrifluoroetano* $FCCl_2CClF_2$ $C_2Cl_3F_3$ *M* = 187,38 g/mol **1 L ≈ 1,57 kg** assay (GC) ..... min. 99,7% non-volatile matter ..... max. 0,0005% water (according to Karl Fischer) ..... max. 0,005% suitability for UV-spectroscopy transmittance (1 cm cell; reference: water) transmittance/wave-length (nm): 10%/230, 67%/240, 92%/250, 98%/from 260 suitability for IR spectroscopy ..... passes test R: 20/21/22 S: 28 disposal: 13	FL. *2902*	2,5 L	163,–	135,30	127,15	12

refer explanations

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSea)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
64863 A 8/23A C 3.2 1305 1 +11 °C	**Trichlorovinylsilane** PROSYNTH® *Trichlorovinylsilane / Triclorovinilsilano* $CH_2=CHSiCl_3$ $C_2H_3Cl_3Si$ $M = 161{,}49$ g/mol **1 L ≈ 1,27 kg** assay (GC) ..... 98 % boiling range ..... 88–90 °C refractive index (n_D^{20}) ..... 1,436 R: 11-36/37/38 S: 16-26-29 disposal: 7	FL. *2934*	250 ml	43,25	36,75	34,60	32,45
16308 A 6.1/22A C 6.1 2076 2	**Tricresol** pure *Tricrésol / Tricresol* **1 L ≈ 1,03 kg** R: 24/25-34 S: 2-28-44 disposal: 6	FL. STP. *2906*	1 L 60 kg	30,–	25,50 price on request	24,–	23,10
64136 A 6.1/22A B 6.1/24 C 6.1 2574 2	**Tricresyl phosphate** PROSYNTH® mixture of isomers *Tricrésyle phosphate / Tricresilo fosfato* $(CH_3C_6H_4O)_3PO$ $C_{21}H_{21}O_4P$ $M = 368{,}37$ g/mol **1 L ≈ 1,17 kg** assay (GC) ..... 95 % boiling range (at 27 mbar) ..... 289–292 °C refractive index (n_D^{20}) ..... 1,557 R: 21/22 S: 28 disposal: 9	FL. *2919*	500 ml	24,–	20,40	19,20	18,50
04801 A 6.1/22A B 6.1/24 C 6.1 2574 2	**Tricresyl phosphate** for technical purposes only *Tricrésyle phosphate / Tricresilo fosfato* $(CH_3C_6H_4O)_3PO$ $C_{21}H_{21}O_4P$ $M = 368{,}37$ g/mol **1 L ≈ 1,17 kg** density (D_4^{20}) ..... 1,172–1,178 refractive index (n_D^{20}) ..... 1,5570–1,5580 R: 21/22 S: 28 disposal: 9	FL. EKL. F. *2919*	1 L 35 kg 230 kg	25,25 price on request price on request	21,45	20,20	19,45
39640 A 6.1/83 C 9 1615 3	**Tri-*p*-cresyl phosphate** for gas chromatography *Tri-p-crésyle phosphate / Tri-p-cresilo fosfato* $(CH_3C_6H_4O)_3PO$ $C_{21}H_{21}O_4P$ $M = 368{,}37$ g/mol working temperature ..... 30 to 130 °C R: 21/22 S: 28 disposal: 9	WG. *2919*	50 g	37,–	31,45	29,60	27,75
	Tricyclo-[3,3,1^{3,7},1^{7}]-decane see Adamantane						
32258 A 3/4 +87 °C	***n*-Tridecane** min. 99,9% for gas chromatography *n-Tridécane / n-Tridecano* $CH_3(CH_2)_{11}CH_3$ $C_{13}H_{28}$ $M = 184{,}36$ g/mol **1 L ≈ 0,76 kg**	FL. *2901*	5 ml	49,25	41,85	39,40	36,95
63782	**Tridecanoic acid** PROSYNTH® *Acide tridécanoïque / Acido tridecanóico* $CH_3(CH_2)_{11}COOH$ $C_{13}H_{26}O_2$ $M = 214{,}35$ g/mol assay (GC) ..... 98 % melting range ..... 41–43 °C	WG. *2914*	5 g	16,25	13,80	13,–	12,20
60460	***iso*-Tridecanoic acid** PROSYNTH® *Acide iso-tridécanoïque / Acido iso-tridecanóico* $C_{13}H_{26}O_2$ $M = 214{,}35$ g/mol **1 L ≈ 0,90 kg** boiling range ..... 274–300 °C	FL. *2914*	500 ml	37,50	31,90	30,–	28,90

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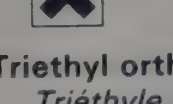
60455	***iso*-Tridecanol** PROSYNTH® *iso-Tridécanol / iso-Tridecanol* $C_{13}H_{28}O$ $M = 200{,}36$ g/mol — 1 L ≈ 0,85 kg boiling range ..... 250–265 °C	FL. *2904*	500 ml	20,–	17,–	16,–	15,4
63128	**Tridecanol-(1)** PROSYNTH® *Tridécanol-(1) / Tridecanol-(1)* $CH_3(CH_2)_{12}OH$ $C_{13}H_{28}O$ $M = 200{,}36$ g/mol assay (GC) ..... 95% melting range ..... 28–30 °C	WG. *2904*	10 g	34,50	29,35	27,60	25,9
	Tridecanone-(7) see Dihexyl ketone						
63129	**Tridecanone-(2)** PROSYNTH® *Tridécanone-(2) / Tridecanona-(2)* $CH_3(CH_2)_{10}COCH_3$ $C_{13}H_{26}O$ $M = 198{,}35$ g/mol assay (GC) ..... 96% melting range ..... 26–30 °C	WG. *2913*	25 g	20,25	17,20	16,20	15,2
	Tridecyl alcohol see Tridecanol-(1)						
63784	**Tri-(decyl)-amine** PROSYNTH® *Tri-(décyl)-amine / Tri-(decil)-amina* $[CH_3(CH_2)_9]_3N$ $C_{30}H_{63}N$ $M = 437{,}83$ g/mol — 1 L ≈ 0,82 kg assay (ex N) ..... 98% refractive index (n_D^{20}) 1,453	FL. *2922*	10 g	27,25	23,15	21,80	20,4
63785	**Tridecylbenzene** PROSYNTH® *Tridécylbenzène / Tridecilbenceno* $C_6H_5(CH_2)_{12}CH_3$ $C_{19}H_{32}$ $M = 260{,}46$ g/mol — 1 L ≈ 0,86 kg assay (GC) ..... 99% boiling range (at 13 mbar) ..... 188–190 °C refractive index (n_D^{20}) 1,482	FL. *2901*	25 ml	37,–	31,45	29,60	27,7
	Tridecyl bromide see 1-Bromotridecane						
	Tridecyl cyanide see Myristonitrile						
	Trideuteroacetonitrile see Acetonitrile-D_3						
	Trideuteromethanol see Methanol-D_3						
	Trideuteromethylammonium chloride see Methylammonium chloride-D_3						
	Trideuteromethyl bromide see Methyl bromide-D_3						
	Trideuteromethyl iodide see Methyl iodide-D_3						
	Trideuteronitromethane see Nitromethane-D_3						
33729 180 °C	**Triethanolamine** for metal titration *Triéthanolamine / Trietanolamina* $N(CH_2CH_2OH)_3$ $C_6H_{15}NO_3$ $M = 149{,}18$ g/mol — 1 L ≈ 1,12 kg	PF.	250 ml	14,50	12,35	11,60	10,9
		PF.	1 L	48,25	41,–	38,60	37,–
		2923					
16303 180 °C	**Triethanolamine** pure *Triéthanolamine / Trietanolamina* $N(CH_2CH_2OH)_3$ $C_6H_{15}NO_3$ $M = 149{,}19$ g/mol — 1 L ≈ 1,12 kg	PF.	1 L	29,–	24,65	23,20	22,–
		PF.	2,5 L	61,50	51,05	47,95	46,–
		EKL.	30 kg	price on request			
		2923					
16339 180 °C	**Triethanolamine** technical *Triéthanolamine / Trietanolamina* $N(CH_2CH_2OH)_3$ $C_6H_{15}NO_3$ $M = 149{,}19$ g/mol — 1 L ≈ 1,12 kg	PF.	1 L	25,50	21,70	20,40	19,–
		PF.	2,5 L	54,–	44,80	42,10	40,–
		EKL.	30 kg	kg	5,90		
		F.	230 kg	price on request			
		2923					

refer explanations

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
65171 A 3/3 C 3.3 1993 3 +32 °C	**1,1,2-Triethoxyethane** PROSYNTH® *Triéthoxy-1-1-2-éthane / 1,1,2-Trietoxietano* $CH_3CH_2OCH_2CH(OCH_2CH_3)_2$ $C_8H_{18}O_3$ $M = 162{,}23$ g/mol **1 L ≈ 0,89 kg** assay (GC) ..... 95% boiling range ..... 165–168 °C refractive index (n_D^{25}) ..... 1,399 R: 10 disposal: 6	FL. *2908*	100 ml	36,75	31,25	29,40	27,55
	Triethoxymethane see Triethyl orthoacetate						
16304 A 3/1A C 3.2 1296 2 -7 °C	**Triethylamine** pure *Triéthylamine / Trietilamina* $(C_2H_5)_3N$ $C_6H_{15}N$ $M = 101{,}19$ g/mol **1 L ≈ 0,73 kg** assay (GC) ..... 99% boiling range ..... 88–89 °C density (D_4^{20}) ..... 0,727–0,734  R: 11-36/37 S: 16-26-29 disposal: 19	FL. FL. EKL. F. *2922*	1 L 2,5 L 20 kg 140 kg	21,– 44,75 kg price on request	17,85 37,15 9,50	16,80 34,90	16,15 33,55
61383	**Triethyl 2,4-difluorocitrate** PROSYNTH® *Triéthyle 2-4-difluorocitrate / Trietilo 2,4-difluorocitrato* $HOC(COOC_2H_5)(CHFCOOC_2H_5)_2$ $C_{12}H_{18}F_2O_7$ $M = 312{,}27$ g/mol assay (GC) ..... 98% boiling range (at 0,4 mbar) ..... 127–129 °C	FL. *2914*	1 g	244,–	207,40	195,20	183,–
	Triethylenediamine see 1,4-Diazabicyclo-[2,2,2]-octane						
63113	**Triethylene glycol** PROSYNTH® *Triéthylèneglycol / Trietilenglicol* $HO(CH_2CH_2O)_2CH_2CH_2OH$ $C_6H_{14}O_4$ $M = 150{,}17$ g/mol **1 L ≈ 1,12 kg** assay (GC) ..... 98% boiling range (at 0,13 mbar) ..... 125–127 °C refractive index (n_D^{20}) 1,456	FL. *2908*	1 L	21,–	17,85	16,80	16,15
63114	**Triethylene glycol dimethyl ether** PROSYNTH® *Ether diméthylique du triéthylèneglycol / Eter dimetílico del trietilenglicol* $CH_3O(CH_2CH_2O)_3CH_3$ $C_8H_{18}O_4$ $M = 178{,}23$ g/mol **1 L ≈ 0,98 kg** assay (GC) ..... 98% boiling range ..... 215–225 °C refractive index (n_D^{20}) 1,423	FL. *2908*	250 ml	38,25	32,50	30,60	28,70
16352 A 8/35 C 8 2259 2	**Triethylenetetramine** *Triéthylènetétramine / Trietilentetramina* $NH_2CH_2CH_2(NHCH_2CH_2)_2NH_2$ $C_6H_{18}N_4$ $M = 146{,}24$ g/mol **1 L ≈ 0,98 kg** boiling range ..... 270–305 °C density (D_4^{20}) ..... 0,970–0,980 refractive index (n_D^{20}) ..... 1,4975–1,4990 R: 36/37/38 S: 28 disposal: 19	FL. STP. F. *2922*	1 L 25 kg 200 kg	37,75 price on request price on request	32,10	30,20	29,05
62928 A 3/3 C 3.3 2524 2 +30 °C	**Triethyl orthoacetate** PROSYNTH® *Triéthyle orthoacétate / Trietilo ortoacetato* $CH_3C(OC_2H_5)_3$ $C_8H_{18}O_3$ $M = 162{,}23$ g/mol **1 L ≈ 0,89 kg** assay (GC) ..... 98% boiling range ..... 144–146 °C refractive index (n_D^{20}) ..... 1,398 R: 10 disposal: 6	FL. *2914*	100 ml	37,75	32,10	30,20	28,30

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60388 A 3/3 C 3.3 1993 2 +30 °C	**Triethyl orthoformate** PROSYNTH® *Triéthyle orthoformiate / Trietilo ortoformiato* $CH(OC_2H_5)_3$ $C_7H_{16}O_3$ M = 148,20 g/mol **1 L ≈ 0,89 kg** assay (GC) ..... 99 % boiling range ..... 143–145 °C refractive index (n_D^{20}) ..... 1,391 R: 10-20/21/22 disposal: 6	FL. *2914*	1 L	49,75	42,30	39,80	38,3
62929 A 3/3 C 3.3 1993 2 +39 °C	**Triethyl orthopropionate** PROSYNTH® *Triéthyle orthopropionate / Trietilo ortopropionato* $CH_3CH_2C(OC_2H_5)_3$ $C_9H_{20}O_3$ M = 176,26 g/mol **1 L ≈ 0,89 kg** assay (GC) ..... 97 % boiling range ..... 157–160 °C refractive index (n_D^{20}) ..... 1,400 R: 10 disposal: 6	FL. *2914*	100 ml	40,–	34,–	32,–	30,-
65109 A 8/15 C 8 1759 2	**Triethyloxonium tetrafluoroborate** PROSYNTH® *Triéthyloxonium tétrafluoroborate / Trietiloxónio tetrafluoroborato* $(C_2H_5)_3OBF_4$ $C_6H_{15}BF_4O$ M = 189,99 g/mol assay ..... 97 % melting range ..... 94–97 °C keep in refrigerator à stocker dans le refrigidaire almacenaje en la nevera	WG. *2934*	25 g	27,–	22,95	21,60	20,2
65151 A 3/3 C 3.3 1993 2 +54 °C	**Triethyl phosphite** PROSYNTH® *Triéthyle phosphite / Trietilo fosfito* $(CH_3CH_2O)_3P$ $C_6H_{15}O_3P$ M = 166,16 g/mol **1 L ≈ 0,97 kg** assay (GC) ..... 98 % boiling range ..... 156–158 °C R: 10 disposal: 10	FL. *2919*	1 L	42,75	36,35	34,20	32,9
	Triethyl *ortho*-propionate see Triethyl orthopropionate						
61385	**Trifluoroacetaldehyde ethyl hemiacetal** PROSYNTH® *Trifluoroacétaldéhyde éthyl demi-acétal / Trifluoroacetaldehido etil semi-acetal* $CF_3CH(OH)OC_2H_5$ $C_4H_7F_3O_2$ M = 144,09 g/mol	FL. *2919*	5 ml	price on request			
61384 A 3/3 C 3.3 1993 2 30 °C	**Trifluoroacetaldehyde hydrate** PROSYNTH®, reagent for preparation of trifluoracetaldeyhde *Trifluoroacétaldéhyde hydrate / Trifluoroacetaldehido hidrato* $CF_3CHO \cdot xH_2O$ $C_2HF_3O \cdot xH_2O$ M = (anhydrous) 98,02 g/mol R: 10 disposal: 14	FL. *2912*	5 ml	45,–	38,25	36,–	33,7
61032 A 6.1/81G C 6.1 1609 2	**Trifluoroacetamide** PROSYNTH® *Trifluoroacétamide / Trifluoroacetamida* CF_3CONH_2 $C_2H_2F_3NO$ M = 113,04 g/mol assay (ex N) ..... 98 % melting range ..... 68–70 °C	FL. FL. *2925*	100 g 1 kg	71,– 475,–	60,35 403,75	56,80 380,–	53,2 365,7

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61030 A 8/21A C 8 1760 2	**Trifluoroacetic acid** PROSYNTH® *Acide trifluoroacétique / Acido trifluoroacético* CF_3COOH $C_2HF_3O_2$ $M = 114{,}02$ g/mol **1 L ≈ 1,48 kg** assay (alkalimetric) ..... 99% boiling range ..... 71—73 °C refractive index (n_D^{20}) ..... 1,285 R: 20-35 S: 9-26-27-28 disposal: 21	FL. FL. *2914*	100 ml 500 ml	33,25 137,50	28,25 116,90	26,60 110,—	24,95 105,90
09024 A 8/21A2 C 8 1760 2	**Trifluoroacetic acid-d** deuteration degree not less than 99 atom % D *Acide trifluoroacétique-d / Acido trifluoroacético-d* CF_3COOD $C_2DF_3O_2$ $M = 115{,}02$ g/mol **1 L ≈ 1,50 kg** R: 20-35 S: 9-26-27-28 disposal: 21	A. *2851*	5 ml	27,25	23,15	21,80	20,45
61259	**Trifluoroacetic acid sodium salt** PROSYNTH® *Acide trifluoroacétique sel sodique / Acido trifluoroacético sal sódica* CF_3COONa $C_2F_3NaO_2$ $M = 136{,}01$ g/mol assay ..... 98% melting range ..... 205—207 °C (disint.) R: 26/27/28 S: 1/2-13-45 disposal: 7	WG. *2914*	25 g	22,50	19,15	18,—	16,90
	Trifluoroacetic acid thallium salt see Thallium(III) trifluoroacetate						
61031 A 8/21E C 8 1760 2	**Trifluoroacetic anhydride** PROSYNTH® *Anhydride trifluoroacétique / Anhídrido trifluoroacético* $(CF_3CO)_2O$ $C_4F_6O_3$ $M = 210{,}03$ g/mol **1 L ≈ 1,51 kg** assay (alkalimetric) ..... 98% boiling range ..... 39—41 °C refractive index (n_D^{25}) ..... 1,269 R: 26/27/28 S: 1/2-13-45 disposal: 7	FL. *2914*	100 ml	59,50	50,60	47,60	44,65
01815 A 3/1A C 3.2 1224 2 +4 °C	**1,1,1-Trifluoroacetone** *Trifluoro-1-1-1-acétone / 1,1,1-Triflouroacetona* CF_3COCH_3 $C_3H_3F_3O$ $M = 112{,}05$ g/mol **1 L ≈ 1,28 kg** assay (GC) ..... 96% boiling range ..... 22—24 °C R: 12-19 S: 9-16-29-33 disposal: 7	FL. *2913*	100 ml	300,—	255,—	240,—	225,—
61388 A 6.1/23D C 6.1 2810 2 +40 °C	**Trifluoroacetylacetone** PROSYNTH® *Trifluoroacétylacétone / Trifluoroacetilacetona* $CH_3COCH_2COCF_3$ $C_5H_5F_3O_2$ $M = 154{,}09$ g/mol **1 L ≈ 1,27 kg** assay (GC) ..... 99% boiling range ..... 106—108 °C refractive index (n_D^{20}) ..... 1,389 R: 10-23/24/25 S: 44 disposal: 7	FL. *2913*	100 ml	180,—	153,—	144,—	135,—

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61458 A 6.1/21 C 6.1 281,1 2	**N-Trifluoroacetylimidazole** PROSYNTH® *N-Trifluoroacétyleimidazole / N-Trifluoroacetiloimidazol* $CF_3COONCH=NCH=CH$ $C_6H_3F_3N_2O_2$ $M = 180,09$ g/mol **1 L ≈ 1,44 kg** assay (GC) ..... 99% boiling range ..... 138–140 °C	FL. *2935*	1 g	16,25	13,80	13,—	12,2
61389 A 3/1A C 3.2 1993 2 +5 °C	**1,2,4-Trifluorobenzene** PROSYNTH® *1-2-4-Trifluorobenzène / 1,2,4-Trifluorobenceno* $C_6H_3F_3$ $M = 132,08$ g/mol **1 L ≈ 1,30 kg** assay (GC) ..... 98% boiling range ..... 88–90 °C refractive index (n_D^{20}) ..... 1,417 R: 11-20 S: 7-16-29-33 disposal: 7	FL. *2902*	5 ml	142,—	120,70	113,60	106,5
61457 A 8/22 C 8 1760 2	**2,2,2-Trifluoroethanesulphonyl chloride** PROSYNTH® *2-2-2-Trifluoroéthane sulfonyle chlorure / 2,2,2-Trifluoroetano sulfonilo cloruro* $F_3CCH_2SO_2Cl$ $C_2H_2ClF_3O_2S$ $M = 182,55$ g/mol **1 L ≈ 1,65 kg** assay (ex Cl) ..... 97% boiling range ..... 139–141 °C refractive index (n_D^{20}) 1,388	A. *2903*	1 ml	38,25	32,50	30,60	28,7
61017 A 3/3 C 3.3 1993 2 35 °C	**2,2,2-Trifluoroethanol** PROSYNTH® *2-2-2-Trifluoroéthanol / 2,2,2-Trifluoroetanol* CF_3CH_2OH $C_2H_3F_3O$ $M = 100,04$ g/mol **1 L ≈ 1,39 kg** assay (GC) ..... 99% boiling range ..... 75–77 °C refractive index (n_D^{22}) ..... 1,291 R: 10-20/21/22 disposal: 7	FL. *2904*	100 ml	49,25	41,85	39,40	36,9
09076 A 3/3 C 3.3 1993 2 +35 °C	**2,2,2-Trifluoroethanol-d_3** deuteration degree not less than 99 atom %D *Trifluoro-2-2-2- éthanol-d_3 / 2,2,2-Trifluoro etanol-d_3* CF_3CD_2OD $C_2D_3F_3O$ $M = 103,02$ g/mol **1 L ≈ 1,43 kg** R: 10-20/21/22 disposal: 13	A. *2851*	5 ml	172,—	146,20	137,60	129,
61470 A 8/15 C 8 1760 2	**Trifluoromethanesulphonic acid** PROSYNTH® *Acide trifluorométhansulfonique / Acido trifluorometanosulfónico* CF_3SO_3H CHF_3O_3S $M = 150,08$ g/mol **1 L ≈ 1,71 kg** assay (alkalimetric) ..... 98% boiling range ..... 160–162 °C refractive index (n_D^{20}) 1,325	FL. *2903*	100 ml	208,—	176,80	166,40	156,
61398 A 8/21E C 8 1760 2	**Trifluoromethanesulphonic anhydride** PROSYNTH® *Anhydride trifluorométhanesulfonique / Anhídrido trifluorometanosulfónico* $(CF_3SO_2)_2O$ $C_2F_6O_5S_2$ $M = 282,14$ g/mol **1 L ≈ 1,72 kg** assay (GC) ..... 98% boiling range ..... 82–84 °C refractive index (n_D^{20}) 1,322	FL. *2903*	5 ml	65,50	55,70	52,40	49

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61461 A 6.1/23 C 6.1 2810 2	**2-Trifluoromethylacetophenone** PROSYNTH® *2-Trifluorométhylacétophénone / 2-Trifluorometiloacetofenona* $CF_3C_6H_4COCH_3$ $C_9H_7F_3O$ M = 188,15 g/mol **1 L ≈ 1,26 kg** assay (GC) ..... 97% refractive index (n_D^{20}) 1,459	FL. *2913*	1 ml	34,50	29,35	27,60	25,90
61462 A 6.1/23 C 6.1 2810 2	**4-Trifluoromethylacetophenone** PROSYNTH® *4-Trifluorométhylacétophénone / 4-Trifluorometiloacetofenona* $CF_3C_6H_4COCH_3$ $C_9H_7F_3O$ M = 188,15 g/mol assay (GC) ..... 96% melting range ..... 26–29 °C	FL. *2913*	1 g	45,25	38,45	36,20	33,95
61084 A 6.1/21E C 6.1 2810 2	**2-Trifluoromethylaniline** PROSYNTH® *2-Trifluorométhylaniline / 2-Trifluorometilanilina* $C_6H_4(CF_3)(NH_2)$ $C_7H_6F_3N$ M = 161,13 g/mol **1 L ≈ 1,29 kg** assay ..... 98% boiling range (at 20 mbar) ..... 66–68 °C refractive index (n_D^{20}) ..... 1,481 R: 23/24/25-33 S: 28-36/37-44 disposal: 7	FL. *2922*	100 ml	55,50	47,20	44,40	41,65
61085 A 6.1/21E C 6.1 2810 2	**3-Trifluoromethylaniline** PROSYNTH® *3-Trifluorométhylaniline / 3-Trifluorometilanilina* $C_6H_4(NH_2)(CF_3)$ $C_7H_6F_3N$ M = 161,13 g/mol **1 L ≈ 1,30 kg** assay ..... 95% boiling range ..... 189–192 °C refractive index (n_D^{20}) ..... 1,480 R: 23/24/25-33 S: 28-36/37-44 disposal: 7	FL. FL. *2922*	250 ml 1 L	44,25 147,50	37,60 125,40	35,40 118,–	33,20 113,60
61200 A 6.1/21E C 6.1 2810 2	**4-Trifluoromethylaniline** PROSYNTH® *4-Trifluorométhylaniline / 4-Trifluorometilanilina* $NH_2C_6H_4CF_3$ $C_7H_6F_3N$ M = 161,13 g/mol **1 L ≈ 1,30 kg** assay (GC) ..... 98% boiling range (at 16 mbar) ..... 81–83 °C refractive index (n_D^{20}) ..... 1,494 R: 23/24/25-33 S: 28-36/37-44 disposal: 7	FL. *2922*	1 ml	44,75	38,05	35,80	33,55
	Trifluoromethylbenzene see Benzotrifluoride						
61463	**4-Trifluoromethylbenzoic acid** PROSYNTH® *Acide 4-trifluorométhylbenzoïque / Acido 4-trifluorometilobenzóico* $CF_3C_6H_4COOH$ $C_8H_5F_3O_2$ M = 190,12 g/mol assay (alkalimetric) ..... 97% melting range ..... 219–222 °C	FL. *2914*	1 g	28,50	24,25	22,80	21,40
61464 A 6.1/21 C 6.1 2810 2	**3-Trifluoromethylbenzonitrile** PROSYNTH® *3-Trifluorométhylbenzonitrile / 3-Trifluorometilobenzonitrilo* $CF_3C_6H_4CN$ $C_8H_4F_3N$ M = 171,12 g/mol **1 L ≈ 1,28 kg** assay (GC) ..... 99% boiling range ..... 189–191 °C refractive index (n_D^{20}) ..... 1,458 R: 23/24/25 S: 44 disposal: 15	FL. *2927*	5 ml	15,50	13,20	12,40	11,65

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61453 A 8/22 C 8 1759 2	**2-Trifluoromethylbenzoyl chloride** PROSYNTH® *2-Trifluorométhylbenzoyle chlorure / 2-Trifluorometilobenzoilo cloruro* $CF_3C_6H_4COCl$ $C_8H_4ClF_3O$ $M = 208{,}57$ g/mol — **1 L ≈ 1,42 kg** assay ..... 95% boiling range ..... 198—200 °C refractive index (n_D^{20}) ..... 1,477 R: 34 S: 26 disposal: 21	FL. *2914*	1 ml	18,—	15,30	14,40	13,
61466 A 8/22 C 8 1760 2	**4-Trifluoromethylbenzoyl chloride** PROSYNTH® *4-Trifluorométhylbenzoyle chlorure / 4-Trifluorometilobenzoilo cloruro* $CF_3C_6H_4COCl$ $C_8H_4ClF_3O$ $M = 208{,}57$ g/mol — **1 L ≈ 1,40 kg** assay (ex Cl) ..... 98% refractive index (n_D^{20}) ..... 1,477 R: 34 S: 26 disposal: 21	FL. *2914*	1 ml	40,50	34,45	32,40	30,
61092 A 8/22 C 8 1760 2	**3-Trifluoromethylbenzoyl fluoride** PROSYNTH® *3-Trifluorométhylbenzoyle fluorure / 3-Trifluorometilbenzoilo fluoruro* $C_6H_4(COF)(CF_3)$ $C_8H_4F_4O$ $M = 192{,}11$ g/mol — **1 L ≈ 1,40 kg** assay ..... 96% boiling range ..... 159—163 °C refractive index (n_D^{20}) ..... 1,434 keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 34 S: 26 disposal: 21	FL. *2914*	25 ml	16,50	14,05	13,20	12,
61139	**3-(Trifluoromethyl)-diphenylamine** PROSYNTH® *3-(Trifluorométhyl)-diphénylamine / 3-(Trifluorometil)-difenilamina* $F_3CC_6H_4NHC_6H_5$ $C_{13}H_{10}F_3N$ $M = 237{,}22$ g/mol — **1 L ≈ 1,26 kg** assay (GC) ..... 98% boiling range (at 4 mbar) ..... 125—127 °C refractive index (n_D^{20}) 1,566	WG. *2922*	10 g	32,—	27,20	25,60	24
61468	**N-(3-Trifluoromethylphenyl)-anthranilic acid** PROSYNTH® *Acide N-(3-trifluorométhylphényle)-anthranilique / Acido N-(3-trifluorometilofenilo)-antranílico* $CF_3C_6H_4NHC_6H_4COOH$ $C_{14}H_{10}F_3NO_2$ $M = 281{,}23$ g/mol assay (alkalimetric) ..... 97% melting range ..... 132—135 °C	WG. *2923*	10 g	13,25	11,25	10,60	9
61153	**N-[2'-(Trifluoromethyl)-phenyl]-β-cetobutyramide** PROSYNTH® *N-[2'-(Trifluorométhyl)-phényl]-β-cétobutyramide / N-[2'-(Trifluorometil)-fenil]-β-cetobutiramida* $CH_3COCH_2CONHC_6H_4CF_3$ $C_{11}H_{10}F_3NO_2$ $M = 245{,}20$ g/mol assay (ex N) ..... 98% melting range ..... 53—56 °C	WG. *2925*	10 g	13,25	11,25	10,60	9
61089 A - B 6.1/25 C 6.1 2810 2	**3-Trifluoromethylphenyle *iso*-cyanate** PROSYNTH® *3-Trifluorométhylphényle iso-cyanate / 3-Trifluorometilfenil iso-cianato* $C_6H_4(CF_3)(NCO)$ $C_8H_4F_3NO$ $M = 187{,}12$ g/mol — **1 L ≈ 1,33 kg** assay 90%	FL. *2930*	100 ml	109,—	92,65	87,20	81

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61391 A 6.1/21K C 6.1 2811 2	**2,4,5-Trifluoronitrobenzene** PROSYNTH® *2-4-5-Trifluoronitrobenzène / 2,4,5-Trifluoronitrobenceno* $C_6H_2F_3NO_2$ $M = 177{,}08$ g/mol assay (GC) ..... 98 %	FL. *2903*	1 g	40,25	34,20	32,20	30,20
	2,2,2-Trifluorotrideutero-ethanol see 2,2,2-Trifluoroethanol-D_3						
35875	**Trifluralin** min. 99 % PESTANAL® (N,N-Dipropyl-2,6-dinitro-4-trifluoromethylaniline) $O_2NC=CH(CF_3)=CH(NO_2)=CN(CH_2CH_2CH_3)_2$ $C_{13}H_{16}F_3N_3O_4$ $M = 335{,}28$ g/mol	FL. *2922*	1 g	35,50	30,20	28,40	26,65
	Triglycol see Triethylene glycol						
	Trigol see Triethylene glycol						
	1,2,3-Trihydroxybenzene see Pyrogallol						
	1,3,5-Trihydroxybenzene see Phloroglucinol						
	3,4,5-Trihydroxybenzoic acid see Gallic acid						
65122	**2,4,6-Trihydroxybenzoic acid monohydrate** PROSYNTH® *Acide 2-4-6-trihydroxybenzoïque monohydrate / Acido 2,4,6-trihidroxibenzóico monohidrato* $C_6H_2(OH)_3COOH \cdot H_2O$ $C_7H_6O_5 \cdot H_2O$ $M = 188{,}14$ g/mol assay (alkalimetric) ..... 97 % melting range ..... 207—210 °C (disint.)	WG. *2916*	50 g	32,—	27,20	25,60	24,—
	3,7,12-Trihydroxycholanic acid see Cholic acid						
	(1 S)-1,4t,5t-Trihydroxy-3c(3,4-dihydroxy-trans-cinnamoyloxy)cyclohexane-1-carboxylic acid see Chlorogenic acid hemihydrate						
64927	**1,3,5-Triisopropylbenzene** PROSYNTH® *Triisopropyl-1-3-5-benzène / 1,3,5-Triisopropilbenceno* $[(CH_3)_2CH]_3C_6H_3$ $C_{15}H_{24}$ $M = 204{,}35$ g/mol **1 L ≈ 0,86 kg** assay (GC) ..... 98 % boiling range ..... 235—237 °C refractive index (n_D^{20}) 1,488	FL. *2901*	100 ml	51,—	43,35	40,80	38,25
60316 A 8 C 8 1759 2	**2,4,6-Triisopropylbenzenesulphonyl chloride** PROSYNTH® *2-4-6-Triisopropylbenzène sulfonyle chlorure / 2,4,6-Triisopropilbenceno sulfonilo cloruro* $[(CH_3)_2CH]_3C_6H_2SO_2Cl$ $C_{15}H_{23}ClO_2S$ $M = 302{,}86$ g/mol assay (ex Cl) ..... 98 % melting range ..... 94—96 °C	WG. WG. *2903*	25 g 100 g	70,— 238,—	59,50 202,30	56,— 190,40	52,50 178,50
	Triketohydrindene hydrate see Ninhydrin						
	Trilon B see Ethylenediamine tetra acetic acid trisodium salt						
	Trimellitic acid see 1,2,4-Benzenetricarboxylic acid						
	Trimesinic acid see 1,3,5-Benzenetricarboxylic acid						
65123	**2,3,4-Trimethoxyacetophenone** PROSYNTH® *2-3-4-Triméthoxyacétophénone / 2,3,4-Trimetoxiacetofenona* $(CH_3O)_3C_6H_2COCH_3$ $C_{11}H_{14}O_4$ $M = 210{,}23$ g/mol **1 L ≈ 1,16 kg** assay (GC) ..... 97 % boiling range (at 27 mbar) ..... 182—184 °C refractive index (n_D^{20}) 1,540	FL. *2913*	10 ml	26,—	22,10	20,80	19,50

COTAL® chemicals for vapour deposition techniques

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	9 (18 B
63788	**2,4,5-Trimethoxyacetophenone** PROSYNTH® *2-4-5-Triméthoxyacétophénone / 2,4,5-Trimetoxiacetofenona* $(CH_3O)_3C_6H_2COCH_3$ $C_{11}H_{14}O_4$ *M* = 210,23 g/mol assay (GC) ..... 98 % melting range ..... 98 – 100 °C	WG. *2913*	10 g	31,75	27,–	25,40	2
64906	**3,4,5-Trimethoxyacetophenone** PROSYNTH® *Triméthoxy-3-4-5-acétophénone / 3,4,5-Trimetoxiacetofenona* $(CH_3O)_3C_6H_2COCH_3$ $C_{11}H_{14}O_4$ *M* = 210,23 g/mol assay (GC) ..... 97 % melting range ..... 78 – 80 °C	WG. *2913*	25 g	60,–	51,–	48,–	4
63789	**2,4,6-Trimethoxybenzaldehyde** PROSYNTH® *2-4-6-Triméthoxybenzaldéhyde / 2,4,6-Trimetoxibenzaldehido* $(CH_3O)_3C_6H_2CHO$ $C_{10}H_{12}O_4$ *M* = 196,20 g/mol assay (GC) ..... 98 % melting range ..... 118 – 120 °C	WG. *2911*	10 g	27,25	23,15	21,80	2
63131	**3,4,5-Trimethoxybenzaldehyde** PROSYNTH® *3-4-5-Triméthoxybenzaldéhyde / 3,4,5-Trimetoxibenzaldehido* $(CH_3O)_3C_6H_2CHO$ $C_{10}H_{12}O_4$ *M* = 196,20 g/mol assay (GC) ..... 98 % melting range ..... 72 – 74 °C	WG. *2911*	10 g	8,75	7,45	7,–	
64907	**1,2,4-Trimethoxybenzene** PROSYNTH® *Triméthoxy-1-2-4-benzène / 1,2,4-Trimetoxibenceno* $C_6H_3(OCH_3)_3$ $C_9H_{12}O_3$ *M* = 168,19 g/mol **1 L ≈ 1,13 kg** assay (GC) ..... 99 % boiling range ..... 245 – 247 °C refractive index (n_D^{20}) 1,533	FL. *2908*	25 ml	77,50	65,90	62,–	5
65125	**1,2,3-Trimethoxybenzene** PROSYNTH® *1-2-3-Triméthoxybenzène / 1,2,3-Trimetoxibenceno* $(CH_3O)_3C_6H_3$ $C_9H_{12}O_3$ *M* = 168,19 g/mol assay (GC) ..... 98 % melting range ..... 43 – 46 °C	WG. *2908*	25 g	31,25	26,55	25,–	2
65126	**1,3,5-Trimethoxybenzene** PROSYNTH® *Triméthoxy-1-3-5-benzène / 1,3,5-Trimetoxibenceno* $(CH_3O)_3C_6H_3$ $C_9H_{12}O_3$ *M* = 168,19 g/mol assay (GC) ..... 97 % melting range ..... 50 – 52 °C	WG. *2908*	25 g	36,75	31,25	29,40	2
63132	**3,4,5-Trimethoxybenzoic acid** PROSYNTH® *Acide 3-4-5-triméthoxybenzoïque / Acido 3,4,5-trimetoxibenzóico* $(CH_3O)_3C_6H_2COOH$ $C_{10}H_{12}O_5$ *M* = 212,20 g/mol assay (alkalimetric) ..... 99 % melting range ..... 169 – 172 °C	PF. *2916*	100 g	30,75	26,15	24,60	2

refer explanations

Code-Number RID/ADR GGVE/GGVS IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
4908 6.1/21A 6.1 2811 2	**3,4,5-Trimethoxybenzonitrile** PROSYNTH® *Triméthoxy-3-4-5-benzonitrile / 3,4,5-Trimetoxibenzonitrilo* $(CH_3O)_3C_6H_2CN$ $C_{10}H_{11}NO_3$ $M = 193{,}20$ g/mol assay ..... 98% melting range ..... 92—94 °C R: 23/24/25 S: 44 disposal: 15	WG. *2927*	25 g	85,50	72,70	68,40	64,15
63790	**2,4,5-Trimethoxybenzophenone** PROSYNTH® *2-4-5-Triméthoxybenzophénone / 2,4,5-Trimetoxibenzofenona* $(CH_3O)_3C_6H_2COC_6H_5$ $C_{16}H_{16}O_4$ $M = 272{,}30$ g/mol	WG. *2913*	25 g	51,—	43,35	40,80	38,25
63791	***trans*-3,4,5-Trimethoxycinnamic acid** PROSYNTH® *Acide trans-3-4-5-triméthoxycinnamique / Acido trans-3,4,5-trimetoxicinámico* $(CH_3O)_3C_6H_2CH=CHCOOH$ $C_{12}H_{14}O_5$ $M = 238{,}24$ g/mol assay (alkalimetric) ..... 99% melting range ..... 124—126 °C	WG. *2916*	5 g	19,—	16,15	15,20	14,25
	Trimethoxymethane see Trimethyl orthoformate						
	3,4,5-Trimethoxy-α-oxotoluene see 3,4,5-Trimethoxybenzaldehyde						
64911	**3,4,5-Trimethoxyphenylacetic acid** PROSYNTH® *Acide 3-4-5-triméthoxyphénylacétique / Acido 3,4,5-trimetoxifenilacético* $(CH_3O)_3C_6H_2CH_2COOH$ $C_{11}H_{14}O_5$ $M = 226{,}23$ g/mol assay (aikalimetric) ..... 97% melting range ..... 112—114 °C	WG. *2916*	10 g	65,50	55,70	52,40	49,15
	Trimethylacetaldehyde see Pivalaldehyde						
	Trimethyl acetic anhydride see Pivalic anhydride						
	Trimethylacetonitrile see Pivalonitrile						
63792	**2,4,6-Trimethylacetophenone** PROSYNTH® *2-4-6-Triméthylacétophénone / 2,4,6-Trimetilacetofenona* $(CH_3)_3C_6H_2COCH_3$ $C_{11}H_{14}O$ $M = 162{,}23$ g/mol **1 L ≈ 0,97 kg** assay (GC) ..... 98% boiling range ..... 238—240 °C refractive index (n_D^{20}) 1,517	FL. *2913*	25 ml	41,50	35,30	33,20	31,15
	Trimethyl-(2-acetoxyethyl)ammonium chloride see Acetylcholine chloride						
	Trimethyl-(2-acetoxyethyl)ammonium iodide see Acetylcholine iodide						
	1,3,5-Trimethyl-2-acetylbenzene see 2,4,6-Trimethylacetophenone						
	Trimethyl-(2-acetylmercaptoethyl)ammonium iodide see Acetylthiocholine iodide						
16343 A 3/5 C 3.2 1992 2 -17 °C	**Trimethylamine solution** 45% *Triméthylamine en solution / Trimetilamina en solución* $(CH_3)_3N$ C_3H_9N $M = 59{,}11$ g/mol **1 L ≈ 0,87 kg** R: 13-36/37 S: 16-26-29 disposal: 19	FL. EKL. *2922*	1 L 25 kg	17,50 price on request	14,90	14,—	13,50

FIXANAL® preparations for standard solutions

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxe
64912	**Trimethylammonium chloride** PROSYNTH® *Triméthylammonium chlorure / Trimetilamonio cloruro* $(CH_3)_3N \cdot HCl$ $C_3H_{10}ClN$ $M = 95{,}57$ g/mol assay (ex Cl) ..... 98% melting range ..... 278–280 °C (disint.)	WG. *2924*	250 g	20,25	17,20	16,20	15,4
63133 A 6.1/11 B C 6.1 2811 2	**2,4,5-Trimethylaniline** PROSYNTH® *2-4-5-Triméthylaniline / 2,4,5-Trimetilanilina* $(CH_3)_3C_6H_2NH_2$ $C_9H_{13}N$ $M = 135{,}21$ g/mol assay (ex N) ..... 98% melting range ..... 63–65 °C R: 23/24/25-33 S: 28-37-44 disposal: 19	WG. *2922*	100 g	24,—	20,40	19,20	18,2
64913 A 6.1/11B C 6.1 2810 2	**2,4,6-Trimethylaniline** PROSYNTH® *Triméthyl-2-4-6-aniline / 2,4,6-Trimetilanilina* $(CH_3)_3C_6H_2NH_2$ $C_9H_{13}N$ $M = 135{,}21$ g/mol **1 L ≈ 0,96 kg** assay (GC) ..... 98% boiling range (at 15 mbar) ..... 108–110 °C refractive index (n_D^{20}) ..... 1,551 R: 23/24/25-33 S: 28-37-44 disposal: 19	FL. *2922*	100 ml	28,50	24,25	22,80	21,4
64914	**2,4,6-Trimethylbenzaldehyde** PROSYNTH® stabilized with hydroquinone (1 g/l) *Aldéhyde triméthyl-2-4-6-benzoïque / 2,4,6-Trimetilbenzaldehído* $(CH_3)_3C_6H_2CHO$ $C_{10}H_{12}O$ $M = 148{,}20$ g/mol **1 L ≈ 1,02 kg** assay (GC) ..... 98% boiling range (at 67 mbar) ..... 190–192 °C	FL. *2911*	10 ml	53,—	45,05	42,40	39,7
	1,2,4-Trimethylbenzene see Pseudocumene						
	1,3,5-Trimethylbenzene see Mesitylene						
64915	**2,4,6-Trimethylbenzenesulphonic acid dihydrate** PROSYNTH® *Acide triméthyl-2-4-6-benzènesulfonique dihydrate / Acido 2,4,6-trimetilbencenosulfónico dihidrato* $(CH_3)_3C_6H_2SO_3H \cdot 2H_2O$ $C_9H_{12}O_3S \cdot 2H_2O$ $M = 236{,}29$ g/mol assay (alkalimetric) ..... 98% melting range ..... 76–78 °C	WG. *2903*	25 g	49,75	42,30	39,80	37,2
63134	**2,4,6-Trimethylbenzoic acid** PROSYNTH® *Acide 2-4-6-triméthylbenzoïque / Acido 2,4,6-trimetilbenzóico* $(CH_3)_3C_6H_2COOH$ $C_{10}H_{12}O_2$ $M = 164{,}20$ g/mol assay (alkalimetric) ..... 98% melting range ..... 150–152 °C	WG. *2914*	10 g	46,—	39,10	36,80	34,5
	2,6,6-Trimethylbicyclo-[3,1,1]-heptene-(2) see (+)-α-Pinene						
27683 A 3/5 C 3.2 1992 2 + 7 °C	**Trimethyl borate** abt. 72% in methanol *Triméthyle borate / Trimetilo borato* $B(OCH_3)_3$ $C_3H_9BO_3$ $M = 103{,}91$ g/mol **1 L ≈ 0,89 kg** R: 11-23/25 S: 2-7-16-24 disposal: 18	FL. EKL. F. *2921*	1 L 25 kg 180 kg	27,75	23,60 price on request price on request	22,20	21,—

refer explanations

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27623
A 3/5
C 3.2 1992 2
+ 7 °C

Trimethyl borate 63-65 % in methanol
Triméthyle borate / Trimetilo borato
$B(OCH_3)_3$
$C_3H_9BO_3$ $M = 103{,}91$ g/mol **1 L ≈ 0,88 kg**

R: 11-23/25 S: 2-7-16-24
disposal: 18

ALU. EKL. F. *2921*

5 L 96,— 79,70 74,90 72,—
25 kg price on request
180 kg price on request

Trimethyl-(2-butyryloxyethyl)ammonium chloride
see Butyrylcholine chloride

Trimethyl-(2-butyryloxyethyl)ammonium iodide
see Butyrylcholine iodide

Trimethylchlorosilane see Chlorotrimethylsilane

63136
A 3/1A
C 3.2 1993 2
+19 °C

1,3,5-Trimethylcyclohexane PROSYNTH® mixture of *cis*- and *trans*-isomers
1-3-5-Triméthylcyclohexane / 1,3,5-Trimetilciclohexano
$CH_3\underline{CHCH_2CH(CH_3)CH_2CH(CH_3)CH_2}$
C_9H_{18} $M = 126{,}24$ g/mol **1 L ≈ 0,77 kg**

assay (GC) ..... 97 %
boiling range ..... 138—141 °C
refractive index (n_D^{20}) 1,428

R: 11 S: 9-16-33
disposal: 6

FL. *2901*

25 ml 17,50 14,90 14,— 13,15

Trimethylene bromide see 1,3-Dibromopropane

Trimethylenechlorhydrine see 3-Chloropropanol-(1)

Trimethylene cyanide see Glutarodinitrile

Trimethylenediamine see 1,3-Propanediamine

Trimethylene glycol see Propanediol-(1,3)

Trimethyl-(2-hydroxyethyl)ammonium chloride see Choline chloride

Trimethyl-(hydroxyethyl)ammonium iodide see Choline iodide

Trimethylol propane tripelargonate see Celanese ester No. 9

64561
A 3/1A
C 3.2 1993 2
+18 °C

Trimethyl orthoacetate PROSYNTH®
Triméthyle orthoacétate / Trimetilo ortoacetato
$H_3CC(OCH_3)_3$
$C_5H_{12}O_3$ $M = 120{,}15$ g/mol **1 L ≈ 0,96 kg**

type analyse
assay (GC) ..... 98 %
boiling range ..... 107—109 °C
refractive index (n_D^{20}) 1,390

R: 11 S: 16-23-29-33
disposal: 6

FL. *2914*

100 ml 82,— 69,70 65,60 61,50

62927
A 3/1A
C 3.2 1993 2
+15 °C

Trimethyl orthoformate PROSYNTH®
Triméthyle orthoformiate / Trimetilo ortoformiato
$CH(OCH_3)_3$
$C_4H_{10}O_3$ $M = 106{,}12$ g/mol **1 L ≈ 0,97 kg**

assay (GC) ..... 97 %
boiling range ..... 100—102 °C
refractive index (n_D^{20}) 1,379

R: 11 S: 9-16-33
disposal: 6

FL. *2914*

250 ml 13,25 11,25 10,60 9,95

2,2,4-Trimethylpentane see *iso*-Octane

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63140 A 3/1A C 3.2 2050 2 +18 °C	**2,4,4-Trimethylpentene-(1)** PROSYNTH® *2-4-4-Triméthylpentène-(1) / 2,4,4-Trimetilpenteno-(1)* $(CH_3)_3CCH_2C(CH_3)=CH_2$ C_8H_{16} $M = 112{,}21$ g/mol **1 L ≈ 0,71 kg** assay (GC) ..... 99 % boiling range ..... 100—102 °C refractive index (n_D^{20}) ..... 1,408 R: 11 S: 9-16-29-33 disposal: 6	FL. *2901*	50 ml	24,75	21,05	19,80	18
63797 A 3/1A C 3.2 2050 2 +2 °C	**2,4,4-Trimethylpentene-(2)** PROSYNTH® *2-4-4-Triméthylpentène-(2) / 2,4,4-Trimetilpenteno-(2)* $(CH_3)_3CCH=C(CH_3)_2$ C_8H_{16} $M = 112{,}22$ g/mol **1 L ≈ 0,72 kg** assay (GC) ..... 98 % boiling range ..... 103—105 °C refractive index (n_D^{20}) ..... 1,416 R: 11 S: 9-16-33 disposal: 6	FL. *2901*	50 ml	19,75	16,80	15,80	14
65127 A 6.1/22 C 6.1 2811 2	**2,3,5-Trimethylphenol** PROSYNTH® *Triméthyl-2-3-5-phénol / 2,3,5-Trimetilfenol* $(CH_3)_3C_6H_2OH$ $C_9H_{12}O$ $M = 136{,}19$ g/mol assay (GC) ..... 98 % melting range ..... 92—94 °C	WG. *2906*	100 g	23,25	19,75	18,60	17
65128 A 6.1/22B C 6.1 2811 2	**2,3,6-Trimethylphenol** PROSYNTH® *Triméthyl-2-3-6-phénol / 2,3,6-Trimetilfenol* $(CH_3)_3C_6H_2OH$ $C_9H_{12}O$ $M = 136{,}19$ g/mol assay (GC) ..... 98 % melting range ..... 62—64 °C	WG. *2906*	100 g	24,75	21,05	19,80	18
63142 C 6.1 1893 3	**Trimethyl phosphate** PROSYNTH® *Triméthyle phosphate / Trimetilo fosfato* $(CH_3O)_3PO$ $C_3H_9O_4P$ $M = 140{,}08$ g/mol **1 L ≈ 1,19 kg** assay (GC) ..... 98 % boiling range ..... 195—197 °C refractive index (n_D^{20}) 1,396	FL. *2919*	1 L	69,50	59,10	55,60	5
60372	**Trimethyl phosphin oxide** PROSYNTH® *Triméthylphosphine oxyde / Trimetilfosfina óxido* $(CH_3)_3PO$ C_3H_9OP $M = 92{,}08$ g/mol assay (GC) ..... 98 % $(CH_3)_2P(O)H$ (GC) ..... 2 % melting range ..... 136—139 °C	WG. *2934*	25 g	81,50	69,30	65,20	6
63798 A 3/3 C 3.3 1993 2 +51 °C	**1,2,4-Trimethylpiperazine** PROSYNTH® *1-2-4-Triméthylpipérazine / 1,2,4-Trimetilpiperacina* $CH_3NCH_2CH(CH_3)N(CH_3)CH_2CH_2$ $C_7H_{16}N_2$ $M = 128{,}22$ g/mol **1 L ≈ 0,85 kg** assay (ex N) ..... 92 % R: 10 disposal: 17	FL. *2935*	50 ml	19,50	16,60	15,60	1
	1,1,1-Trimethylpropane see 1,1,1-Tris-(hydroxymethyl)-propane						
	2,4,6-Trimethylpyridine see *symm.*-Collidine						
63143	**N-(Trimethylsilyl)acetamide** PROSYNTH® *N-(Triméthylsilyl)acétamide / N-(Trimetilsilil)acetamida* $CH_3CONHSi(CH_3)_3$ $C_5H_{13}NOSi$ $M = 131{,}25$ g/mol assay (ex S) ..... 98 % melting range ..... 34—36 °C	FL. *2934*	10 g	16,50	14,05	13,20	1

refer explanations

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64639 A 3/3 C 3.3 1993 2 +49 °C	**Trimethylsilyl azide** PROSYNTH® *Triméthylsilyl azide / Trimetilsilil azida* $(CH_3)_3SiN_3$ $C_3H_9N_3Si$ $M = 115{,}21$ g/mol **1 L ≈ 0,87 kg** assay (GC) ..... 97% boiling range ..... 92–95 °C refractive index (n_D^{20}) ..... 1,415 R: 10-23/24/25 S: 44 disposal: 17	FL. *2934*	50 ml	86,–	73,10	68,80	64,50
63144 A 3/3 C 3.2 1993 2 +22 °C	**N-(Trimethylsilyl)diethylamine** PROSYNTH® *N-(Triméthylsilyl)diéthylamine / N-(Trimetilsilil)dietilamina* $(C_2H_5)_2NSi(CH_3)_3$ $C_7H_{19}NSi$ $M = 145{,}33$ g/mol **1 L ≈ 0,77 kg** assay (GC) ..... 97% boiling range ..... 124–126 °C refractive index (n_D^{20}) ..... 1,411 R: 11-36/37/38 S: 16-26-29 disposal: 19	FL. *2934*	5 ml	66,50	56,55	53,20	49,90
09009 A 8/21D C 8 1760 2	**3-(Trimethylsilyl)-propionic acid-d_4 sodium salt** *Acide triméthylsilyl)-3-propionique-d_4, sel sodique / Acido 3-(trimetilsilil)-propiónico-d_4, sal sódica* $(CH_3)_3SiCD_2CD_2COONa$ $C_6H_9D_4NaO_2Si$ $M = 172{,}21$ g/mol	A. *2851*	5 g	236,–	200,60	188,80	177,–
63807 A 3/4 +72 °C	**2,4,6-Trimethylstyrene** PROSYNTH® *2-4-6-Triméthylstyrène / 2,4,6-Trimetilestireno* $(CH_3)_3C_6H_2CH=CH_2$ $C_{11}H_{14}$ $M = 146{,}23$ g/mol **1 L ≈ 0,90 kg** assay (GC) 95%	FL. *2901*	5 ml	29,50	25,10	23,60	22,15
65129	**Trimethylsulphonium iodide** PROSYNTH® *Triméthylsulfonium iodure / Trimetilsulfonio yoduro* $(CH_3)_3SJ$ C_3H_9JS $M = 204{,}07$ g/mol assay (ex I) ..... 98% melting range ..... 216–219 °C	WG. *2931*	25 g	27,25	23,15	21,80	20,45
64921	**Trimethylsulphoxonium iodure** PROSYNTH® *Triméthylsulfoxonium iodure / Trimetilsulfoxónio yoduro* $(CH_3)_3SO(J)$ C_3H_9JOS $M = 220{,}07$ g/mol assay (ex J) ..... 98% melting range ..... 208–212 °C (disint.)	WG. *2931*	100 g	51,50	43,80	41,20	38,65
60480 A 6.1/81F2 C 6.1 1615 2	**Trimethyltin chloride** PROSYNTH® *Triméthylétain chlorure / Trimetilestaño cloruro* $(CH_3)_3SnCl$ C_3H_9ClSn $M = 199{,}25$ g/mol assay (ex Sn) ..... 99% melting range ..... 37–39 °C R: 23/24/25 S: 2-13-44 disposal: 10	FL. *2934*	5 g	28,50	24,25	22,80	21,40

1,1,3-Trimethyltrimethylene glycol see 2-Methylenpentanediol-(2,4)

1,3,5-Trimethyl-2-vinylbenzene see 2,4,6-Trimethylstyrene

1,3,7-Trimethylxanthine see Caffeine

2,4,6-Trinitrophenol see Picric acid

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63145 A 8/35 C 8 1760 2	**Trioctylamine** PROSYNTH® *Trioctylamine / Trioctilamina* $[CH_3(CH_2)_7]_3N$ $C_{24}H_{51}N$ $M = 353{,}67$ g/mol 1 L ≈ 0,82 kg assay ..... 97 % boiling range ..... 365 – 367 °C refractive index (n_D^{20}) 1,449	FL. *2922*	25 ml	8,75	7,45	7,–	
60465 A 8/35 C 8 1760 2	**Tri-*iso*-octylamine** PROSYNTH® *Tri-iso-octylamina / Tri-iso-octilamina* $C_{24}H_{51}N$ $M = 353{,}67$ g/mol 1 L ≈ 0,82 kg assay ..... 98 %	FL. *2922*	100 ml	20,–	17,–	16,–	
33761	**Trioctylphosphine oxide** for extraction analysis *Trioctyl phosphine oxyde / Trioctilfosfina óxido* $[CH_3(CH_2)_6CH_2]_3PO$ $C_{24}H_{51}OP$ $M = 386{,}64$ g/mol assay ..... min. 99 % melting range ..... 52 – 54 °C water (according to Karl Fischer) ..... max. 0,5 % free acid (as H_3PO_4) ..... max. 0,2 %	WG. WG. *2934*	10 g 100 g	22,50 183,–	19,15 155,55	18,– 146,40	1
65156	**Trioctyl phosphine oxide** PROSYNTH® *Trioctylphosphine oxyde / Trioctilfosfina óxido* $[CH_3(CH_2)_6CH_2]_3PO$ $C_{24}H_{51}OP$ $M = 384{,}64$ g/mol assay ..... 95 % melting range ..... 53 – 56 °C	PF. *2934*	250 g	201,–	170,85	160,80	1
63146	**1,3,5-Trioxane** PROSYNTH® *1-3-5-Trioxanne / 1,3,5-Trioxano* $OCH_2OCH_2OCH_2$ $C_3H_6O_3$ $M = 90{,}08$ g/mol assay (GC) ..... 98 % melting range ..... 60 – 62 °C R: 22 S: 24/25 disposal: 6	PF. *2911*	1 kg	40,50	34,45	32,40	
	2,4,6-Trioxohexahydro-1,3,5-triazine see Cyanuric acid						
	Trioxomethylene see 1,3,5-Trioxane						
	Tripentylamine see Triamylamine						
	Tri-o-phenanthroline iron(II) salt see Ferroin solution						
63799	**Triphenylamine** PROSYNTH® *Triphénylamine / Trifenilamina* $(C_6H_5)_3N$ $C_{18}H_{15}N$ $M = 245{,}32$ g/mol assay (ex N) ..... 98 % melting range ..... 125 – 127 °C	WG. *2922*	10 g	24,75	21,05	19,80	
63147 A 6.1/75 C 6.1 2811 3	**Triphenylantimony** PROSYNTH® *Triphénylantimoine / Trifenilantimonio* $(C_6H_5)_3Sb$ $C_{18}H_{15}Sb$ $M = 353{,}07$ g/mol assay (ex Sb) ..... 98 % melting range ..... 53 – 55 °C R: 20/22 S: 22 disposal: 7	WG. *2934*	100 g	42,75	36,35	34,20	
63800 A 6.1/75 C 6.1 2811 3	**Triphenylantimony dichloride** PROSYNTH® *Triphénylantimoine dichlorure / Trifenilantimonio dicloruro* $(C_6H_5)_3SbCl_2$ $C_{18}H_{15}Cl_2Sb$ $M = 423{,}97$ g/mol melting range ..... 140 – 142 °C R: 20/22 S: 22 disposal: 7	WG. *2934*	25 g	60,50	51,45	48,40	

refer explanations

Code-Number) RID/ADR) GGVE/GGVS) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
3148 6.1/52 6.1 1557 3	**Triphenylarsine** PROSYNTH® *Triphénylarsine / Trifenilarsina* $(C_6H_5)_3As$ $C_{18}H_{15}As$ $M = 306{,}24$ g/mol assay (ex As) ..... 98% melting range ..... 58–61 °C R: 23/25 S: 1/2-20/21-28-44 disposal: 10	WG. *2934*	10 g	22,–	18,70	17,60	16,50
63149 A 6.1/52 C 6.1 1557 3	**Triphenylarsine oxide** PROSYNTH® *Triphénylarsine oxyde / Trifenilarsina óxido* $(C_6H_5)_3AsO$ $C_{18}H_{15}AsO$ $M = 322{,}24$ g/mol assay (ex As) ..... 98% melting range ..... 189–191 °C R: 23/25 S: 1/2-20/21-28-44 disposal: 10	WG. *2934*	10 g	27,–	22,95	21,60	20,25
63154 A 6.1/83 C 6.1 2811 3	**Triphenylbismuth** PROSYNTH® *Triphénylbismuth / Trifenilbismuto* $(C_6H_5)_3Bi$ $C_{18}H_{15}Bi$ $M = 440{,}30$ g/mol assay (ex Bi) ..... 98% melting range ..... 76–79 °C	WG. *2934*	25 g	76,50	65,05	61,20	57,40
	Triphenylcarbinol see Triphenylmethanol						
64135	**2,4,5-Triphenylimidazole** PROSYNTH® *2-4-5-Triphénylimidazole / 2,4,5-Trifenilimidazol* $\underline{NHC(C_6H_5)=NC(C_6H_5)=C}C_6H_5$ $C_{21}H_{16}N_2$ $M = 296{,}37$ g/mol assay (ex N) ..... 98% melting range ..... 275–277 °C	WG. *2935*	5 g	17,–	14,45	13,60	12,75
63151	**Triphenylmethanol** PROSYNTH® *Triphénylméthanol / Trifenilmetanol* $(C_6H_5)_3COH$ $C_{19}H_{16}O$ $M = 260{,}33$ g/mol assay (GC) ..... 98% melting range ..... 161–163 °C	PF. *2905*	100 g	77,50	65,90	62,–	58,15
	Triphenylmethyl chloride see Chlorotriphenylmethane						
63152	**Triphenyl phosphate** PROSYNTH® *Triphényle phosphate / Trifenilo fosfato* $(C_6H_5O)_3PO$ $C_{18}H_{15}O_4P$ $M = 326{,}29$ g/mol assay (GC) ..... 98% melting range ..... 48–50 °C	PF. *2919*	1 kg	24,75	21,05	19,80	19,05
60404	**Triphenylphosphine** PROSYNTH® *Triphénylphosphine / Trifenilfosfina* $(C_6H_5)_3P$ $C_{18}H_{15}P$ $M = 262{,}29$ g/mol assay ..... 98% melting range ..... 79–81 °C	WG. WG. *2934*	100 g 1 kg	11,– 83,–	9,35 70,55	8,80 66,40	8,25 63,90
63153	**Triphenylphosphine oxide** PROSYNTH® *Triphénylphosphine oxyde / Trifenilfosfina óxido* $(C_6H_5)_3PO$ $C_{18}H_{15}OP$ $M = 278{,}29$ g/mol assay ..... 98% melting range ..... 154–156 °C	PF. *2934*	100 g	72,–	61,20	57,60	54,–

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60293 **Triphenyl phosphite** PROSYNTH® A 6.1/82A1 *Triphényle phosphite / Trifenilo fosfito* C 6.1 2810 3 $(C_6H_5O)_3P$ $C_{18}H_{15}O_3P$ $M = 310,29$ g/mol 1 L ≈ 1,19 kg assay ..... 96 % boiling range (at 24 mbar) ..... 233–235 °C refractive index (n_D^{20}) ..... 1,590 R: 36/38 S: 28 disposal: 7	FL. EKL. *2921*	500 ml 35 kg	16,50	14,05 price on request	13,20	12
65130 **Triphenylsilane** PROSYNTH® *Triphénylsilane / Trifenilsilano* $(C_6H_5)_3SiH$ $C_{18}H_{16}Si$ $M = 260,41$ g/mol assay (GC) ..... 99 % melting range ..... 43–46 °C R: 36/37/38 S: 26 disposal: 7	WG. *2934*	10 g	22,–	18,70	17,60	16
Triphenylstannyl chloride see Triphenyltin chloride						
33732 **2,3,5-Triphenyltetrazolium chloride (TTC)** R. G., testing agent for the power of germinating of seeds, Reag. Ph. Eur. I *2-3-5-Triphényltétrazolium chlorure TTC / 2,3,5-Trifeniltetrazolio cloruro TTC* $N(C_6H_5)N(Cl)(C_6H_5)=NC(C_6H_5)=N$ $C_{19}H_{15}ClN_4$ $M = 334,81$ g/mol assay ..... min. 99,0 % sulphated ash ..... max. 0,2 % iron (Fe) ..... max. 0,001 % heavy metals (as Pb) ..... max. 0,001 % suitability for testing the germinating power of seeds ..... passes test	WG. *2935*	10 g	23,25	19,75	18,60	17
Triphenyltetrazolium chloride see TTC						
33764 **Triphenyltin chloride** R. G. A 6.1/81F2 *Triphénylétain chlorure / Trifenilestaño cloruro* C 6.1 1615 3 $(C_6H_5)_3SnCl$ $C_{18}H_{15}ClSn$ $M = 385,46$ g/mol R: 23/24/25 S: 2-13-44 disposal: 10	PF. *2934*	100 g	32,25	27,40	25,80	2
64925 **Triphenylvinylphosphonium bromide** PROSYNTH® *Triphénylvinylphosphonium bromure / Trifenilvinilfosfonio bromuro* $CH_2=CHP(Br)(C_6H_5)_3$ $C_{20}H_{18}BrP$ $M = 369,24$ g/mol assay (ex Br) ..... 98 % melting range ..... 183–185 °C	WG. *2934*	10 g	49,25	41,85	39,40	3
Triphosphopyridine nucleotide sodium salt see Nicotinamide adenine dinucleotide phosphate sodium salt						
Tripotassium citrate see Potassium citrate						
Tripotassium phosphate see *tri*-Potassium phosphate						
16345 **Tri-*iso*-propanolamine** *Tri-iso-propanolamine / Tri-iso-propanolamina* $(CH_3CHOHCH_2)_3N$ $C_9H_{21}NO_3$ $M = 191,27$ g/mol 1 L ≈ 1,02 kg	PF. EKL. *2923*	1 L 30 kg	17,75	15,10 price on request	14,20	1

refer explanations

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64926 A 8/35 C 3.3 2260 2 +35 °C	**Tripropylamine** PROSYNTH® *Tripropylamine / Tripropilamina* $(CH_3CH_2CH_2)_3N$ $C_9H_{21}N$ $M = 143{,}27$ g/mol **1 L ≈ 0,76 kg** assay (GC) ..... 98 % boiling range ..... 155—157 °C refractive index (n_D^{20}) ..... 1,417 R: 10-36/37/38 S: 28 disposal: 19	FL. *2922*	250 ml	28,—	23,80	22,40	21,—
33762	**α,α',α''-Tripyridyl** R. G. *α-α'-α''-Tripyridyl / α,α',α''-Tripiridil* $C_{15}H_{11}N_3$ $M = 233{,}27$ g/mol	WG. *2935*	1 g	164,—	139,40	131,20	123,—
39674 A 6.1/21A C 6.1 2810 2	**1,2,3-Tris-(2-cyanoethoxy)-propane** for gas chromatography *1-2-3-Tris-(2-cyanoéthoxy)-propane / 1,2,3-Tris-(2-cianoetoxi)-propano* $NCCH_2CH_2OCH(CH_2OCH_2CH_2CN)_2$ $C_{12}H_{17}N_3O_3$ $M = 251{,}28$ g/mol **1 L ≈ 1,11 kg** working temperature ..... to 170 °C	WG. *2927*	50 ml	41,50	35,30	33,20	31,15
64928	**2,4,6-Tris-(dimethylaminomethyl)-phenol** PROSYNTH® *2-4-6-Tris-(diméthylaminométhyl)-phénol / 2,4,6-Tris-(dimetilaminometil)-fenol* $HOC_6H_2[CH_2N(CH_3)_2]_3$ $C_{15}H_{27}N_3O$ $M = 265{,}40$ g/mol **1 L ≈ 0,97 kg** assay (ex N) ..... 95 % refractive index (n_D^{20}) 1,517	FL. *2923*	500 ml	57,50	48,90	46,—	44,30
	Tris-(2-hydroxyethyl)amine see Triethanolamine						
33742	**Tris-(hydroxymethyl)-aminomethane** R. G., buffer substance *Tris-(hydroxyméthyl)-aminométhane / Tris-(hidroximetil)-aminometano* $(HOCH_2)_3CNH_2$ $C_4H_{11}NO_3$ $M = 121{,}14$ g/mol assay ..... min. 99,5 % melting range ..... 169—171 °C insoluble in water ..... max. 0,005 % water (according to Karl Fischer) ..... max. 0,5 % sulphated ash ..... max. 0,05 % pH (0,1 M) ..... 10,3—10,5 iron (Fe) ..... max. 0,0005 % heavy metals (as Pb) ..... max. 0,0005 % chloride (Cl) ..... max. 0,0005 % sulphate (SO_4) ..... max. 0,0005 % keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	PF. PF. FTP. *3819*	100 g 1 kg 50 kg	17,25 114,50 kg	14,65 97,35 55,—	13,80 91,60	12,95 88,15
33744	**Tris-(hydroxymethyl)-aminomethane hydrochloride** R.G. *Tris-(hydroxyméthyl)-aminométhane chlorhydrate / Tris-(hidroximetil)-aminometano clorhidrato* $NH_2C(CH_2OH)_3 \cdot HCl$ $C_4H_{12}ClNO_3$ $M = 157{,}60$ g/mol assay (ex HCl) ..... min. 99,8 % melting range ..... 149—151 °C	WG. *2923*	100 g	22,—	18,70	17,60	16,50
63801	**Tris-(hydroxymethyl)-nitromethane** PROSYNTH® *Tris-(hydroxyméthyl)-nitrométhane / Tris-(hidroximetil)-nitrometano* $(CH_2OH)_3CNO_2$ $C_4H_9NO_5$ $M = 151{,}12$ g/mol assay (ex N) ..... 98 % melting range ..... 166—168 °C R: 20/21/22 S: 28 disposal: 7	PF. *2904*	250 g	28,—	23,80	22,40	21,—

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60353	**Tris-(hydroxymethyl)-phosphine** PROSYNTH® *Tris-(hydroxyméthyl)-phosphine / Tris-(hidroximetil)-fosfina* $(HOCH_2)_3P$ $C_3H_9O_3P$ $M = 124{,}08$ g/mol assay ..... 95% $(HOCH_2)_3P(O)$ 5%	FL. *2934*	100 g	51,—	43,35	40,80	38
60354	**Tris-(hydroxymethyl)-phosphinoxide** PROSYNTH® *Tris-(hydroxyméthyl)-phosphinoxyde / Tris-(hidroximetil)-fosfinóxido* $(HOCH_2)_3PO$ $C_3H_9O_4P$ $M = 140{,}08$ g/mol assay ..... 99% melting range ..... 54—56 °C	PF. *2934*	100 g	42,75	36,35	34,20	32
63155	**1,1,1-Tris-(hydroxymethyl)-propane** PROSYNTH® *1-1-1-Tris-(hydroxyméthyl)-propane / 1,1,1-Tris-(hidroximetil)-propano* $CH_3CH_2C(CH_2OH)_3$ $C_6H_{14}O_3$ $M = 134{,}17$ g/mol assay (GC) ..... 97% melting range ..... 56—58 °C	PF. *2904*	1 kg	30,75	26,15	24,60	23
	Tris-(2-hydroxypropyl)amine see Tri-*iso*-propanolamine						
	Trisodium citrate see *tri*-Sodium citrate						
	Trisodium phosphate see *tri*-Sodium phosphate						
	Tris-[pentanedionato-(2,4)]-aluminium see Aluminium acetylacetonate						
	Tris-[pentanedionato-(2,4)]-chromium(III) see Chromium(III) acetylacetonate						
	Tris-[pentanedionato-(2,4)]-cobalt(III) see Cobalt(III) acetylacetonate						
	Tris-[pentanedionato-(2,4)]-indium(III) see Indium(III) acetylacetonate						
	Tris-[pentanedionato-(2,4)]-iron(III) see Iron(III) acetylacetonate						
	Tris-[pentanedionato-(2,4)]-manganese(III) see Manganese(III) acetylacetonate						
33757	**2,4,6-Tris-(2'-pyridyl)-s-triazine (TPTZ)** R. G. *2-4-6-Tris-(2'-pyridyl)-s-triazine (TPTZ) / 2,4,6-Tris-(2'-piridil)-s-triazina (TPTZ)* $C_{18}H_{12}N_6$ $M = 312{,}33$ g/mol	FL. *2935*	1 g	13,75	11,70	11,—	10
64929	**Tris-(triphenylphosphine)rhodium(I) chloride** PROSYNTH® *Tris-(triphénylphosphine)rhodium(I) chlorure / Tris-(trifenilfosfina)rodio(I) cloruro* $[(C_6H_5)_3P]_3RhCl$ $C_{54}H_{45}ClP_3Rh$ $M = 925{,}23$ g/mol assay (ex Cl) ..... 98% melting range ..... 245—250 °C (disint.)	FL. *2934*	1 g	54,—	45,90	43,20	40
39675	**Triton® X-305** for gas chromatography ® = trade mark of Röhm & Haas Co. $(CH_3)_3CCH_2C(CH_3)_2C_6H_4(OCH_2CH_2)_nOH$ working temperature ..... to 225 °C	WG. *3901*	50 g	13,—	11,05	10,40	9
56028	**Triton® N-101** 70% in water for scintillation 1 L ≈ 1,06 kg ® = trade mark of Rohm & Haas Co.	FL. *2924*	500 ml	25,75	21,90	20,60	19

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6029	**Triton® X-100** for scintillation $C_{34}H_{62}O_{11}$ *M* = 646,86 g/mol **1 L ≈ 1,07 kg** ® = trade mark of Rohm & Haas Co.	FL. *2924*	500 ml	16,—	13,60	12,80	12,30
6030	**Triton® X-405** 70% in water for scintillation $C_{94}H_{182}O_{41}$ *M* = 1968,45 g/mol **1 L ≈ 1,10 kg** ® = trade mark of Rohm & Haas Co.	FL. *2924*	500 ml	21,50	18,30	17,20	16,55
39641 A 6.1/83 C 9 1615 3	**Trixylenyl-(2,4)-phosphate** for gas chromatography *Trixylényle-(2-4)-phosphate / Trixilenilo-(2,4)-fosfato* $[(CH_3)_2C_6H_3O')_3PO$ $C_{24}H_{27}O_4P$ *M* = 410,45 g/mol **1 L ≈ 1,14 kg** working temperature ..... to 150 °C	WG. *2919*	50 g	126,—	107,10	100,80	94,50
32663	**Tropaeolin 0** indicator (C. I. No. 14270, S. No. 186) *Tropéoline 0 / Tropeolina 0* $(HO)_2C_6H_3N=NC_6H_4SO_3Na$ $C_{12}H_9N_2NaO_5S$ *M* = 316,27 g/mol	WG. WG. *3205*	25 g 100 g	11,75 36,75	10,— 31,25	9,40 29,40	8,80 27,55
33900	**Tropaeolin 00** *Tropéoline 00 / Tropeolina 00* $C_6H_5NHC_6H_4N=NC_6H_4SO_3Na$ $C_{18}H_{14}N_3NaO_3S$ *M* = 375,38 g/mol	WG. *3205*	5 g	8,75	7,45	7,—	6,55
33912	**Tropaeolin 000 No. 1** indicator (orange I) (C. I. No. 14600, S. No. 185) *Tropéoline 000 No. 1 / Tropeolina 000 No. 1* $NaO_3SC_6H_4N=NC_{10}H_6OH$ $C_{16}H_{11}N_2NaO_4S$ *M* = 350,33 g/mol	WG. *3205*	5 g	14,75	12,55	11,80	11,05
33913	**Tropaeolin 000 No. 2** for microscopy (orange II) (C. I. No. 15510, S. No. 189) *Tropéoline 000 No. 2 / Tropeolina 000 No. 2* $NaO_3SC_6H_4N=NC_{10}H_6OH$ $C_{16}H_{11}N_2NaO_4S$ *M* = 350,33 g/mol	WG. *3205*	100 g	19,50	16,60	15,60	14,65
	Tropaeolin D see Methyl orange						
63156	DL-**Tropic acid** PROSYNTH® *Acide DL-tropique / Acido DL-trópico* $HOCH_2CH(C_6H_5)COOH$ $C_9H_{10}O_3$ *M* = 166,18 g/mol assay (alkalimetric) ..... 99% melting range ..... 117—119 °C	WG. *2916*	10 g	12,75	10,85	10,20	9,55
63157	*trans*-**Tropine** PROSYNTH® *trans-Tropine / trans-Tropina* $C_8H_{15}NO$ *M* = 141,21 g/mol assay ..... 98% melting range ..... 61—63 °C	WG. *2942*	10 g	24,—	20,40	19,20	18,—
39039	D(+)-**Tryptophan** BIOSYNTH® *D(+)-Tryptophane / D(+)-Triptófano* $C_6H_4NHCH=CCH_2CH(NH_2)COOH$ $C_{11}H_{12}N_2O_2$ *M* = 204,23 g/mol assay (ex N) ..... 99% specific rotation ($[\alpha]_D^{20}$; c = 1 in H_2O) ..... +31° ± 2°	WG. *2935*	5 g	34,—	28,90	27,20	25,50
39038	DL-**Tryptophan** BIOSYNTH® *DL-Tryptophane / DL-Triptófano* $C_6H_4NHCH=CCH_2CH(NH_2)COOH$ $C_{11}H_{12}N_2O_2$ *M* = 204,23 g/mol assay (ex N) 99%	WG. *2935*	10 g	11,25	9,55	9,—	8,45

PANPEHA® universal indicator paper in strips

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39037	**L(–)-Tryptophan** BIOSYNTH® *L(–)-Tryptophane / L(–)-Triptófano* $C_6H_4NHCH=CCH_2CH(NH_2)COOH$ $C_{11}H_{12}N_2O_2$ M = 204,23 g/mol assay (ex N) ..... 99% specific rotation ($[\alpha]_D^{20}$; c=1 in H_2O) ..... –31° ± 1,5°	WG. 2935	10 g	15,50	13,20	12,40
39454	**L-Tryptophan methyl ester hydrochloride** BIOSYNTH® *Méthyle L-tryptophanate chlorhydrate / Metilo L-triptofanato clorhidrato* $C_6H_4NHCH=CCH_2CH(NH_2)COOCH_3 \cdot HCl$ $C_{12}H_{15}ClN_2O_2$ M = 254,72 g/mol	WG. 2935	5 g	35,50	30,20	28,40
	TTC see 2,3,5-Triphenyltetrazolium chloride					
32959	**Türk's solution** for leucocyte counting *Solution de Türk / Solución de Türk* 1 L ≈ 1,00 kg	PF. 3005	100 ml	8,25	7,—	6,60
14308	**Tungsten** chem. pure powder *Tungstène / Tungsteno* W M = 183,85 g/mol assay (w) ..... 99,5% molybdenum (Mo) 0,05%	WG. WG. 8101	50 g 250 g	23,— 95,—	19,55 80,75	18,40 76,—
38620	**0,100 g Tungsten** FIXANAL® water-soluble standard of atom absorption *0,100 g Tungstène / 0,100 g Tungsteno* ampoule	3819	1 pack	10,25	8,70	8,20
38581	**1,00 g Tungsten** FIXANAL® watersoluble standard for atom absorption *1,00 g Tungstène / 1,00 g Tungsteno* ampoule	3819	1 pack	10,25	8,70	8,20
10460 A 8/12 C 8 1759 2	**Tungsten(VI) chloride** *Tungstène(VI) chlorure / Tungsteno(VI) cloruro* WCl_6 M = 396,57 g/mol	WG. 2830	100 g	123,50	105,—	98,80
63179	**Tungstenhexacarbonyl** PROSYNTH® *Tungstène hexacarbonyle / Tungsteno hexacarbonilo* $W(CO)_6$ M = 351,91 g/mol assay (ex W) ..... 98% melting range ..... 168–170 °C	WG. 2934	10 g	price on request		
14310	**Tungsten(VI) oxide** (tungstic anhydride) chem. pure *Tungstène(VI) oxyde / Tungsteno(VI) óxido* WO_3 M = 231,85 g/mol assay (WO_3) ..... 99,5% loss on ignition ..... 0,1% iron (Fe) ..... 0,01% molybdenum (Mo) 0,01%	PF. 2828	250 g	74,50	63,35	59,60
14312	**Tungstic acid** pure *Acide tungstique / Acido túngstico* H_2WO_4 M = 249,86 g/mol assay (WO_3) ..... 92,0–92,5% insoluble in ammonia solution 0,05%	PF. PF. 2828	100 g 1 kg	21,50 162,—	18,30 137,70	17,20 129,60
31648	**Tungstophosphoric acid** R. G. *Acide phosphotungstique / Acido fosfotúngstico* $H_3[P(W_3O_{10})_4] \cdot xH_2O$ M = (anhydrous) 2880,17 g/mol insoluble in water ..... max. 0,01% loss on ignition ..... max. 6–9% ammonium (NH_4) ..... max. 0,002% lead (Pb) ..... max. 0,005% iron (Fe) ..... max. 0,005% chloride (Cl) ..... max. 0,01% sulphate (SO_4) ..... max. 0,02%	WG. WG. 2813	25 g 100 g	16,— 41,50	13,60 35,30	12,80 33,20

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1117	**Tungstophosphoric acid** chem. pure cryst. *Acide phosphotungstique / Acido fosfotúngstico* $H_3[P(W_3O_{10})_4] \cdot xH_2O$ M = (anhydrous) 2880,17 g/mol loss on ignition ..... 6–9% ammonium (NH_4) ..... 0,005% heavy metals and iron (as Fe) ..... 0,005% chloride (Cl) 0,01%	PF. PF. *2813*	100 g 500 g	30,– 125,50	25,50 106,70	24,– 100,40	22,5 96,6
647	**Tungstosilicic acid** R. G. *Acide silicotungstique / Acido silicotúngstico* $H_4[Si(W_3O_{10})_4] \cdot xH_2O$ M = (anhydrous) 2878,29 g/mol loss on ignition (800 °C) ..... max. 16% iron (Fe) ..... max. 0,001% potassium (K) ..... max. 0,02% sodium (Na) ..... max. 0,02% heavy metals (as Pb) ..... max. 0,002% chloride (Cl) ..... max. 0,002% sulphate (SO_4) ..... max. 0,005% total nitrogen (N) ..... max. 0,002%	WG. PF. *2813*	25 g 100 g	26,75 83,50	22,75 71,–	21,40 66,80	20,05 62,65
316	**Turkey-red oil** 100% *Sodium sulforicinate / Aceite rojo-turco* 1 L ≈ 1,04 kg	FL. FL. FPD. *3402*	1 L 2,5 L 30 kg	30,– 64,50	25,50 53,55 price on request	24,– 50,30	23,10 48,40
	Turpentine oil see Oil of turpentine						
158	**Tween® 20** PROSYNTH® *Tween® / Tween®* ® = trade mark of Atlas Chemie 1 L ≈ 1,10 kg	FL. *3901*	1 L	40,75	34,65	32,60	31,40
159	**Tween® 40** PROSYNTH® 1 L ≈ 1,10 kg hydroxyl number 90–105	FL. *3901*	1 L	40,75	34,65	32,60	31,40
160	**Tween® 60** PROSYNTH® 1 L ≈ 1,10 kg hydroxyl number 81–96	FL. *3919*	1 L	40,75	34,65	32,60	31,40
161	**Tween® 80** PROSYNTH® 1 L ≈ 1,08 kg hydroxyl number 65–80	FL. *3901*	1 L	40,75	34,65	32,60	31,40
162	**Tween® 85** PROSYNTH® 1 L ≈ 1,10 kg hydroxyl number 39–52	FL. *3901*	1 L	58,50	49,75	46,80	45,05
140	**D(+)-Tyrosine** BIOSYNTH® *D(+)-Tyrosine / D(+)-Tirosina* $HOC_6H_4CH_2CH(NH_2)COOH$ $C_9H_{11}NO_3$ M = 181,19 g/mol assay (ex N) ..... 99% specific rotation ($[\alpha]_D^{20}$; c = 4 in HCl 1 mol/l) +10,5° ± 1°	FL. *2923*	1 g	20,75	17,65	16,60	15,55
193	**DL-Tyrosine** BIOSYNTH® *DL-Tyrosine / DL-Tirosina* $HOC_6H_4CH_2CH(NH_2)COOH$ $C_9H_{11}NO_3$ M = 181,19 g/mol assay (ex N) 99%	PF. *2923*	25 g	48,–	40,80	38,40	36,–
141	**L(-)-Tyrosine** BIOSYNTH® *L(-)-Tyrosine / L(-)-Tirosina* $HOC_6H_4CH_2CH(NH_2)COOH$ $C_9H_{11}NO_3$ M = 181,19 g/mol assay (ex N) ..... 99% specific rotation ($[\alpha]_D^{20}$; c = 3,5 in HCl 1 mol/l) −11° ± 1°	PF. *2923*	100 g	28,50	24,25	22,80	21,40

PEHANAL® universal indicator paper in rolls

Code-Number
A) RID/ADR
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C) IMDG-CODE (GGVSee)

Code-Number		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)
39676	**Ucone 50 HB-280-X** for gas chromatography working temperature ..... to 200 °C	WG. *3901*	50 g	52,—	44,20	41,60
39677	**Ucone 50 HB-2000** for gas chromatography working temperature ..... to 200 °C	WG. *3901*	50 g	52,—	44,20	41,60
39678	**Ucone 50 HB-5100** for gas chromatography working temperature ..... to 200 °C	WG. *3901*	50 g	52,—	44,20	41,60
39679	**Ucone LB-550-X** for gas chromatography working temperature ..... to 200 °C	FL. *3901*	50 g	52,—	44,20	41,60
39680	**Ucone LB-1715** for gas chromatography working temperature ..... to 200 °C	FL. *3901*	50 g	52,—	44,20	41,60
63802 A 3/4 C 3.3 2330 3 +61 °C	**Undecane** PROSYNTH® *Undécane / Undecano* $CH_3(CH_2)_9CH_3$ $C_{11}H_{24}$ M = 156,31 g/mol **1 L ≈ 0,74 kg** assay (GC) ..... 99% boiling range ..... 194—196 °C refractive index (n_D^{20}) 1,417	FL. *2901*	100 ml	39,25	33,35	31,40
32256 A 3/4 C 3.3 2330 3 +61 °C	*n*-**Undecane** min. 99,9% for gas chromatography *n-Undécane / n-Undecano* $CH_3(CH_2)_9CH_3$ $C_{11}H_{24}$ M = 156,31 g/mol **1 L ≈ 0,74 kg**	FL. *2901*	5 ml	49,25	41,85	39,40
	Undecanenitrile see Undecanoic acid nitrile					
39455	**Undecanoic acid** BIOSYNTH® *Acide undécanoïque / Acido undecanóico* $CH_3(CH_2)_9COOH$ $C_{11}H_{22}O_2$ M = 186,29 g/mol	WG. *2914*	100 g	83,—	70,55	66,40
63803	**Undecanoic acid** PROSYNTH *Acide undécanoïque / Acido undecanóico* $CH_3(CH_2)_9COOH$ $C_{11}H_{22}O_2$ M = 186,29 g/mol assay (GC) ..... 98% melting range ..... 27—29 °C	FL. *2914*	250 ml	40,50	34,45	32,40
63350 A 6.1/21 C 6.1 1935 1	**Undecanoic acid nitrile** PROSYNTH® *Acide undécanoïque nitrile / Acido undecanóico nitrilo* $CH_3(CH_2)_9CN$ $C_{11}H_{21}N$ M = 167,29 g/mol **1 L ≈ 0,82 kg** assay (GC) 97%	FL. *2927*	50 ml	37,25	31,65	29,80
63164	**1-Undecanol** PROSYNTH® *Undécanol-1 / 1-Undecanol* $CH_3(CH_2)_{10}OH$ $C_{11}H_{24}O$ M = 172,31 g/mol **1 L ≈ 0,83 kg** assay (GC) ..... 98% boiling range (at 20 mbar) ..... 129—131 °C refractive index (n_D^{20}) 1,440	FL. *2904*	100 ml	23,50	20,—	18,80
65131 A 3/4 +65 °C	**3-Undecanol** PROSYNTH® *Undécanol-3 / 3-Undecanol* $CH_3(CH_2)_7CHOHCH_2CH_3$ $C_{11}H_{24}O$ M = 172,31 g/mol **1 L ≈ 0,83 kg** assay (GC) ..... 97% boiling range ..... 229—231 °C refractive index (n_D^{20}) 1,438	FL. *2904*	10 ml	19,75	16,80	15,80

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32 4) 1987 2 °C	**6-Undecanol** PROSYNTH® *Undécanol-6 / 6-Undecanol* $[CH_3(CH_2)_4]_2CHOH$ $C_{11}H_{24}O$ M = 172,31 g/mol **1 L ≈ 0,83 kg** assay (GC) ..... 97 % boiling range ..... 226—228 °C refractive index (n_D^{20}) 1,437	FL. *2904*	25 ml	24,25	20,60	19,40	18,20
29 4 1224 2 °C	**2-Undecanone** min. 99,9% for gas chromatography *Undécanone-2 / 2-Undecanona* $CH_3(CH_2)_8COCH_3$ $C_{11}H_{22}O$ M = 170,29 g/mol **1 L ≈ 0,83 kg**	FL. *2913*	5 ml	49,25	41,85	39,40	36,95
65 4 °C	**2-Undecanone** PROSYNTH® *Undécanone-2 / 2-Undecanona* $CH_3(CH_2)_8COCH_3$ $C_{11}H_{22}O$ M = 170,29 g/mol **1 L ≈ 0,83 kg** Brechungsindex (n_D^{20}) ..... 1,429 assay (GC) ..... 98 % boiling range ..... 231—233 °C refractive index (n_D^{20}) 1,429	FL. *2913*	250 ml	48,—	40,80	38,40	36,—
01 °C	**4-Undecanone** PROSYNTH® *Undécanone-(4) / 4-Undecanona* $CH_3(CH_2)_6COCH_2CH_2CH_3$ $C_{11}H_{22}O$ M = 170,29 g/mol **1 L ≈ 0,82 kg** assay (GC) ..... 97 % boiling range (at 17 mbar) ..... 104—107 °C refractive index (n_D^{20}) 1,428	FL. *2913*	5 ml	11,—	9,35	8,80	8,25
16 C	**5-Undecanone** PROSYNTH® *Undécanone-5 / Undecanona-(5)* $CH_3(CH_2)_3CO(CH_2)_5CH_3$ $C_{11}H_{22}O$ M = 170,29 g/mol **1 L ≈ 0,82 kg** assay (GC) ..... 95 % boiling range ..... 103—105 °C refractive index (n_D^{20}) 1,428	FL. *2913*	50 ml	40,75	34,65	32,60	30,55
6 C	**6-Undecanone** PROSYNTH® *Undécanone-6 / 6-Undecanona* $CH_3(CH_2)_4CO(CH_2)_4CH_3$ $C_{11}H_{22}O$ M = 170,29 g/mol **1 L ≈ 0,82 kg** assay (GC) ..... 98 % boiling range (at 17 mbar) ..... 105—108 °C refractive index (n_D^{20}) 1,428	FL. *2913*	50 ml	20,25	17,20	16,20	15,20
3 2	**1-Undecene** PROSYNTH® *Undécène-1 / 1-Undeceno* $CH_2=CH(CH_2)_8CH_3$ $C_{11}H_{22}$ M = 154,29 g/mol **1 L ≈ 0,75 kg** assay (GC) ..... 95 %C boiling range ..... 192—195 °C refractive index (n_D^{20}) 1,427	FL. *2901*	50 ml	40,—	34,—	32,—	30,—
5 2	**10-Undecene-(1)-ol** PROSYNTH® *Undécène-(10)-ol-1 / 10-Undeceno-(1)-ol* $CH_2=CH(CH_2)_9OH$ $C_{11}H_{22}O$ M = 170,29 g/mol **1 L ≈ 0,84 kg** assay (GC) ..... 99 % boiling range (at 20 mbar) ..... 131—133 °C refractive index (n_D^{20}) 1,450	FL. *2904*	100 ml	53,—	45,05	42,40	39,75
5 8 0 2	**10-Undecenoyl chloride** PROSYNTH® *Undécènoyl-10-chlorure / 10-Undecenoilo cloruro* $CH_2=CH(CH_2)_8COCl$ $C_{11}H_{19}ClO$ M = 202,72 g/mol **1 L ≈ 0,95 kg** R: 34 S: 26 disposal: 21	FL. *2914*	100 ml	34,—	28,90	27,20	25,50

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27817	**Undecylenic acid** *Acide undécylénique / Acido undecilénico* $CH_2=CH(CH_2)_8COOH$ $C_{11}H_{20}O_2$ $M = 184,28$ g/mol **1 L ≈ 0,91 kg** assay ..... 97,5% congealing point ..... 22 °C density (D_{25}^{25}) ..... 0,910–0,913 refractive index (n_D^{25}) ..... 1,4470–1,4480 sulphated ash ..... 0,1% water-soluble acid ..... passes test iodine number 135–140	FL. *2914*	500 ml	30,75	26,15	24,60
36803 A 3/5 C 3.2 1142 2 +19 °C	**Universal indicator** "Riedel-de Haën" with colour chart and directions for use pH range 3,0–10,0 *Indicateur universel / Indicador universal* plastic drop-bottle of 100 ml **1 L ≈ 0,86 kg** R: 11 S: 7-16 disposal: 6	*3819*	1 pack	10,75	9,15	8,60
36806 A 3/5 C 3.2 1142 2 +19 °C	**Universal indicator** "Riedel-de Haën" with colour chart and directions for use pH range 3,0–10,0 *Indicateur universel / Indicador universal* plastic bottle of 1 L **1 L ≈ 0,86 kg** R: 11 S: 7-16 disposal: 6	*3819*	1 pack	36,–	30,60	28,80
	Universal indicator paper see Indicator and reagent papers					
	Unna's solution see Methylene blue solution polychrome acc. to Unna					
39203	**Uracil** BIOSYNTH® *Uracile / Uracilo* $NHCONHCOCH=CH$ $C_4H_4N_2O_2$ $M = 112,09$ g/mol assay (ex N) 99%	WG. *2935*	25 g	29,–	24,65	23,20
	Uranin see Fluorescein sodium					
	Uranium(VI) dioxide diacetate see Uranyl acetate					
	Uranium(VI) dioxide dinitrate see Uranyl nitrate					
31697 A 7/BL.3 C 7 BL.3	**Uranyl acetate dihydrate** R.G. *Uranium acétate dihydrate / Uranilo acetato dihidrato* plastic bottle of 10 g $(CH_3COO)_2UO_2 \cdot 2H_2O$ $C_4H_6O_6U \cdot 2H_2O$ $M = 424,15$ g/mol assay ..... min. 99% insoluble in water ..... max. 0,005% ammonium (NH_4) ..... max. 0,001% lead (Pb) ..... max. 0,001% calcium (Ca) ..... max. 0,004% iron (Fe) ..... max. 0,001% potassium (K) ..... max. 0,001% copper (Cu) ..... max. 0,001% sodium (Na) ..... max. 0,005% heavy metals (as Pb) ..... max. 0,0005% uranium(IV)-salts [U(IV)] ..... max. 0,03% chloride (Cl) ..... max. 0,003% sulphate (SO_4) ..... max. 0,01% R: 26/28-33 S: 20/21-45 disposal: 25	*2852*	† 1 pack	7,75	6,60	6,20

refer explanations

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698 BL.3 BL.3	**Uranyl acetate dihydrate** R. G. *Uranium acétate dihydrate / Uranilo acetato dihidrato* plastic bottle of 25 g $(CH_3COO)_2UO_2 \cdot 2H_2O$ $C_4H_6O_6U \cdot 2H_2O$ $M = 424{,}15$ g/mol assay ..... min. 99% ammonium (NH_4) ..... max. 0,001% lead (Pb) ..... max. 0,001% insoluble in water ..... max. 0,005% calcium (Ca) ..... max. 0,004% iron (Fe) ..... max. 0,001% potassium (K) ..... max. 0,001% copper (Cu) ..... max. 0,001% sodium (Na) ..... max. 0,005% heavy metals (as Pb) ..... max. 0,0005% uranium(IV) salts [U(IV)] ..... max. 0,03% chloride (Cl) ..... max. 0,003% sulphate (SO_4) ..... max. 0,01% R: 26/28-33 S: 20/21-45 disposal: 25	*2852*	1 pack	9,50	8,10	7,60	7,15
636 /BL.3 BL.3	**Uranyl acetate dihydrate** R. G. *Uranium acétate dihydrate / Uranilo acetato dihidrato* plastic bottle of 100 g $(CH_3COO)_2UO_2 \cdot 2H_2O$ $C_4H_6O_6U \cdot 2H_2O$ $M = 424{,}15$ g/mol assay ..... min. 99% insoluble in water ..... max. 0,005% ammonium (NH_4) ..... max. 0,001% lead (Pb) ..... max. 0,001% calcium (Ca) ..... max. 0,004% iron (Fe) ..... max. 0,001% potassium (K) ..... max. 0,001% copper (Cu) ..... max. 0,001% spdium (Na) ..... max. 0,005% heavy metals (as Pb) ..... max. 0,0005% uranium(IV) salts [U(IV)] ..... max. 0,03% chloride (Cl) ..... max. 0,0075% sulphate (SO_4) ..... max. 0,01% R: 26/28-33 S: 20/21-45 disposal: 25	*2852*	1 pack	43,75	37,20	35,—	32,80
696 BL.3 BL.3	**Uranyl nitrate-6-hydrate** R. G., Reag. ACS *Uranium nitrate-6-hydrate / Uranilo nitrato-6-hidrato* plastic bottle of 25 g $UO_2(NO_3)_2 \cdot 6H_2O$ $M = 502{,}13$ g/mol assay ..... min. 99% lead (Pb) ..... max. 0,001% calcium (Ca) ..... max. 0,004% iron (Fe) ..... max. 0,001% potassium (K) ..... max. 0,005% copper (Cu) ..... max. 0,001% sodium (Na) ..... max. 0,005% uranium(IV) salts [U(IV)] ..... max. 0,06% chloride (Cl) ..... max. 0,002% sulphate (SO_4) ..... max. 0,005% R: 26/28-33 S: 20/21-45 disposal: 25	*2852*	1 pack	11,—	9,35	8,80	8,25

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31638 A 7/BL.3 C 7 BL.3	**Uranyl nitrate-6-hydrate** R. G. *Uranium nitrate-6-hydrate / Uranilo nitrato-6-hidrato* plastic bottle of 100 g $UO_2(NO_3)_2 \cdot 6H_2O$ $M = 502{,}13$ g/mol assay ..... min. 99 % lead (Pb) ..... max. 0,001 % insoluble in water ..... max. 0,005 % calcium (Ca) ..... max. 0,004 % iron (Fe) ..... max. 0,001 % potassium (K) ..... max. 0,005 % copper (Cu) ..... max. 0,001 % sodium (Na) ..... max. 0,005 % heavy metals (as Pb) ..... max. 0,0005 % uranium(IV) salts [U(IV)] ..... max. 0,06 % chloride (Cl) ..... max. 0,005 % sulphate (SO_4) ..... max. 0,005 % R: 26/28-33 S: 20/21-45 disposal: 25	*2852*	1 pack	35,50	30,20	28,40
33247	**Urea** R. G., Reag. ACS *Urée / Urea* $CO(NH_2)_2$ CH_4N_2O $M = 60{,}06$ g/mol assay ..... min. 99,5 % melting range ..... 132—133 °C insoluble in water ..... max. 0,01 % sulphated ash ..... max. 0,01 % iron (Fe) ..... max. 0,0002 % heavy metals (as Pb) ..... max. 0,0005 % chloride (Cl) ..... max. 0,0005 % sulphate (SO_4) ..... max. 0,001 %	PF. PF. *3102*	1 kg 5 kg	23,— 95,50	19,55 79,25	18,40 74,50
15603	**Urea** chem. pure *Urée / Urea* $CO(NH_2)_2$ CH_4N_2O $M = 60{,}06$ g/mol assay ..... 99,5 % melting range ..... 132—133 °C insoluble in ethanol ..... 0,02 % sulphated ash ..... 0,05 % iron (Fe) ..... 0,0005 % heavy metals (as Pb) ..... 0,001 % chloride (Cl) ..... 0,0005 % sulphate (SO_4) ..... 0,005 % biuret ..... 0,1 %	PF. PF. S. S. S. *3102*	1 kg 2,5 kg 50 kg 5x 10x	12,— 24,25 kg kg kg	10,20 20,15 2,90 2,60 2,45	9,60 18,90
15604	**Urea** pure Erg. B. 6, B. P. 1973, U. S. P. XIX, Ph. Nord. 1963 *Urée / Urea* $CO(NH_2)_2$ CH_4N_2O $M = 60{,}06$ g/mol assay ..... 99,5 % melting range ..... 132—133 °C sulphated ash ..... 0,05 % iron (Fe) ..... 0,001 % heavy metals (as Pb) ..... 0,001 % chloride (Cl) ..... 0,001 % sulphate (SO_4) ..... 0,005 %	PF. PF. S. S. S. FTP. FTP. FTP. *3102*	1 kg 2,5 kg 50 kg 5x 10x 50 kg 5x 10x	10,25 21,— kg kg kg kg kg kg	8,70 17,45 2,45 2,25 2,10 2,75 2,55 2,45	8,20 16,40
15606 C 1.1 0220	**Urea nitrate** *Urée nitrate / Urea nitrato* $CO(NH_2)_2 \cdot HNO_3$ $CH_5N_3O_4$ $M = 123{,}07$ g/mol assay ..... 95 % loss on drying (24 h on sulphuric acid) ..... 5 %	PF. S. *2925*	1 kg 50 kg	13,75 price on request	11,70	11,—

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0831	**Urethane** DAB 6, B. P. 1973 App. I A, N. F. XIII *Uréthane / Uretano* $H_2NCOOC_2H_5$ $C_3H_7NO_2$ $M = 89{,}09$ g/mol assay ..... 99 % melting range ..... 48 – 50 °C sulphated ash ..... 0,05 % water (according to Karl Fischer) ..... 0,5 % heavy metals (as Pb) ..... 0,0005 % chloride (Cl) ..... 0,0005 % R: 23/24/25-39 S: 2-13 disposal: 7	WG. WG. WG. FTP. *2925*	250 g 500 g 1 kg 50 kg	10,75 15,— 27,25 price on request	9,15 12,75 23,15	8,60 12,— 21,80	8,05 11,25 21,—
	Urethylan see Methyl carbamate						
9110	**Uric acid** BIOSYNTH® *Acide urique / Acido úrico* $C_5H_4N_4O_3$ $M = 168{,}11$ g/mol	PF. *2935*	50 g	48,—	40,80	38,40	36,—
3232	**Uridine** BIOSYNTH® *Uridine / Uridina* $CH=CHC(OH)=NCONCHCHOHCHOHCH(CH_2OH)O$ $C_9H_{12}N_2O_6$ $M = 244{,}20$ g/mol assay (ex N) ..... 99 % melting range ..... 165 – 168 °C keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	WG. *2935*	5 g	14,50	12,35	11,60	10,90
4457	**Uridine-5'-monophosphoric acid disodium salt** BIOSYNTH® *Acide uridinemonophosphorique-5', sel disodique / Acido uridin-5'-monofosfórico, sal disódica* $C_9H_{11}N_2Na_2O_9P$ $M = 368{,}15$ g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	WG. *2919*	5 g	35,—	29,75	28,—	26,25
458	**Uridine-5'-triphosphoric acid trisodium salt** BIOSYNTH® *Acide uridinetriphosphorique-5', sel trisodique / Acido uridin-5'-trifosfórico, sal trisódica* $C_9H_{12}N_2Na_3O_{15}P_3 \cdot 2H_2O$ $M = 586{,}12$ g/mol	FL. *2935*	1 g	59,50	50,60	47,60	44,65
	Urotropin® see Hexamethylenetetramine						
921	**UV Absorber DHB "Riedel"** *Absorbant DHB de rayons UV "Riedel" / Absorbedor de rayos ultravioletas DHB "Riedel"*	WG. FTP. *2935*	1 kg 50 kg	99,50 price on request	84,60	79,60	76,60
659	**UV Absorber HMB "Riedel"** *Absorbant HMB de rayons UV "Riedel" / Absorbedor de rayos ultravioletas HMB "Riedel"* $HOC_6H_3(OCH_3)(COC_6H_5)$ $C_{14}H_{12}O_3$ $M = 228{,}25$ g/mol melting range ..... 63 – 64 °C sulphated ash ..... 0,1 %	WG. BL. FTP. *2913*	1 kg 2,5 kg 50 kg	99,50 216,— price on request	84,60 179,30	79,60 168,50	76,60 162,—
936	**UV Absorber HMBS "Riedel"** *Absorbant HMBS de rayons UV "Riedel" / Absorbedor de rayos ultravioletas HMBS "Riedel"* solubility ..... min. 20 g/100 ml water	PF. *2913*	1 kg	price on request			

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60442 A 3/1A C 3.2 1993 2 -5 °C	***iso*-Valeraldehyde** PROSYNTH® *Aldéhyde iso-valérique / Aldehido iso-valérico* $CH_3CH(CH_3)CH_2CHO$ $C_5H_{10}O$ $M = 86{,}13$ g/mol — **1 L ≈ 0,80 kg** assay (GC) ..... 98 % boiling range ..... 91—93 °C refractive index (n_D^{20}) ..... 1,388 R: 11 S: 9-29-33 disposal: 14	FL. *2911*	500 ml	44,25	37,60	35,4
60441 A 3/1A C 3.2 2058 2 +4 °C	***n*-Valeraldehyde** PROSYNTH® *Aldéhyde n-valérique / Aldehido n-valérico* $CH_3(CH_2)_3CHO$ $C_5H_{10}O$ $M = 86{,}13$ g/mol — **1 L ≈ 0,81 kg** assay (GC) ..... 98 % boiling range ..... 101—103 °C refractive index (n_D^{20}) ..... 1,394 R: 11 S: 9-29-33 disposal: 14	FL. *2911*	500 ml	23,—	19,55	18,4
27818 A 3/4 +70 °C	**Valeric acid** *Acide valérique / Acido valérico* $CH_3(CH_2)_3COOH$ $C_5H_{10}O_2$ $M = 102{,}13$ g/mol — **1 L ≈ 0,94 kg** assay (GC) ..... 99 % boiling range ..... 185—187 °C refractive index (n_D^{20}) ..... 1,4080—1,4090 water (according to Karl Fischer) ..... 0,1 %	FL. *2914*	1 L	31,25	26,55	25,
60456 A 3/4 +92 °C	***iso*-Valeric acid** PROSYNTH® *Acide iso-valérique / Acido iso-valérico* $CH_3CH(CH_3)CH_2COOH$ $C_5H_{10}O_2$ $M = 102{,}13$ g/mol — **1 L ≈ 0,93 kg** assay (GC) ..... 98 % boiling range ..... 175—177 °C refractive index (n_D^{20}) 1,403	FL. *2914*	500 ml	28,25	24,—	22,
64937 A 8/21 C 8 1760 2 +99 °C	**Valeric anhydride** PROSYNTH® *Anhydride valérique / Anhídrido valérico* $[CH_3(CH_2)_3CO]_2O$ $C_{10}H_{18}O_3$ $M = 186{,}25$ g/mol — **1 L ≈ 0,94 kg** assay ..... 98 % boiling range (at 21 mbar) ..... 110—112 °C refractive index (n_D^{20}) 1,421	FL. *2914*	100 ml	24,—	20,40	19
63169 A 3/4 +96 °C	**γ-Valerolactone** PROSYNTH® *γ-Valérolactone / γ-Valerolactona* $\overline{OCOCH_2CH_2}CHCH_3$ $C_5H_8O_2$ $M = 100{,}12$ g/mol — **1 L ≈ 1,05 kg** assay (GC) ..... 98 % boiling range (at 13 mbar) ..... 82—85 °C refractive index (n_D^{20}) 1,433	FL. *2935*	100 ml	49,75	42,30	39
64940 A 6.1/11 C 6.1 2810 2 +34 °C	**Valeronitrile** PROSYNTH® *Valéronitrile / Valeronitrilo* $CH_3(CH_2)_3CN$ C_5H_9N $M = 83{,}13$ g/mol — **1 L ≈ 0,80 kg** R: 10-23/24/25 S: 44 disposal: 15	FL. *2927*	50 ml	28,50	24,25	22

refer explanations

e-Number / D/ADR / GVE/GGVS / DG-CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
80	***iso*-Valeronitrile** PROSYNTH®						
1/21	*iso-Valéronitrile / iso-Valeronitrilo*						
2810 2	$(CH_3)_2CHCH_2CN$						
	C_5H_9N $M = 83{,}13$ g/mol						
	1 L ≈ 0,80 kg						
	assay (GC) 97%						
	boiling range ..... 127–129 °C						
	refractive index (n_D^{20}) 1,393						
	R: 23/24/25 S: 44 disposal: 15	FL. 2927	25 ml	26,25	22,30	21,–	19,70
171	**Valerophenone** PROSYNTH®						
°C	*Valérophénone / Valerofenona*						
	$C_6H_5CO(CH_2)_3CH_3$						
	$C_{11}H_{14}O$ $M = 162{,}23$ g/mol						
	1 L ≈ 0,98 kg						
	assay (GC) 98%						
	boiling range (at 17 mbar) ..... 130–132 °C						
	refractive index (n_D^{20}) 1,515	FL. 2913	100 ml	76,50	65,05	61,20	57,40
	Valerylbenzene see Valerophenone						
938	**Valeryl chloride** PROSYNTH®						
/22	*Valéryle chlorure / Acido valérico cloruro*						
1760 2	$CH_3(CH_2)_3COCl$						
	C_5H_9ClO $M = 120{,}58$ g/mol						
	1 L ≈ 1,00 kg						
	assay (ex Cl) 98%						
	boiling range ..... 125–127 °C						
	refractive index (n_D^{20}) 1,420	FL. 2914	100 ml	30,75	26,15	24,60	23,05
042	D(–)-Valine BIOSYNTH®						
	D(–)-Valine / D(–)-Valina						
	$(CH_3)_2CHCH(NH_2)COOH$						
	$C_5H_{11}NO_2$ $M = 117{,}15$ g/mol						
	assay (ex N) 99%						
	specific rotation ($[\alpha]_D^{20}$; c = 2 in HCl 6 mol/l) . –27° ± 2°	WG. 2923	10 g	84,–	71,40	67,20	63,–
044	DL-Valine BIOSYNTH®						
	DL-Valine / DL-Valina						
	$(CH_3)_2CHCH(NH_2)COOH$						
	$C_5H_{11}NO_2$ $M = 117{,}15$ g/mol						
	assay (ex N) 99%	PF. 2923	100 g	23,50	20,–	18,80	17,65
043	L(+)-Valine BIOSYNTH®						
	L(+)-Valine / L(+)-Valina						
	$(CH_3)_2CHCH(NH_2)COOH$						
	$C_5H_{11}NO_2$ $M = 117{,}15$ g/mol						
	assay (ex N) 99%						
	specific rotation ($[\alpha]_D^{20}$; c = 2 in HCl 6 mol/l) . +27° ± 2°	WG. 2923	25 g	21,75	18,50	17,40	16,30
459	L-Valine methyl ester hydrochloride BIOSYNTH®						
	Méthyle L-valinate chlorhydrate / Metilo L-valinato clorhidrato						
	$(CH_3)_2CHCH(NH_2)COOCH_3 \cdot HCl$						
	$C_6H_{14}ClNO_2$ $M = 167{,}64$ g/mol	WG. 2923	5 g	23,25	19,75	18,60	17,45
226	**Vanadate molybdate reagent** for the determination of phosphates						
/1C	*Réactif au vanadate-molybdate / Reactivo vanadato-molibdato*						
1830 2	1 L ≈ 1,15 kg						
	R: 35 S: 2-26-30 disposal: 24	PF. 3819	500 ml	15,50	13,20	12,40	11,95
	Vanadic acid see Vanadium oxide						
	Vanadic anhydride see Vanadium(V) oxide						
	Vanadio anhydride see Vanadium(V) oxide						

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10461	**Vanadium** powder *Vanadium / Vanadio* V $M = 50{,}94$ g/mol assay 99%	WG. 8104	10 g	68,—	57,80	54,40
38618 A 6.1/74 C 6.1 2810 3	**0,100 g Vanadium** FIXANAL® water-soluble standard for atom absorption *0,100 g Vanadium / 0,100 g Vanadio* ampoule	3819	1 pack	10,25	8,70	8,20
38663 A 3/3 C 3.3 1992 2 +25°C	**0,100 g** *organo*-**Vanadium** FIXANAL® petroleum ether-soluble standard for atom absorption *0,100 g organo-Vanadium / 0,100 g organo-Vanadio* ampoule	3819	1 pack	33,75	28,70	27,—
38579 A 6.1/74 C 6.1 2810	**1,00 g Vanadium** FIXANAL® watersoluble standard for atom absorption *1,00 g Vanadium / 1,00 g Vanadio* ampoule	3819	1 pack	10,25	8,70	8,20
14204 A 6.1/75 B 6.1 75 C 8 2475 3	**Vanadium(III) chloride** *Vanadium(III) chlorure / Vanadio(III) cloruro* VCl_3 $M = 157{,}30$ g/mol R: 36/37/38 S: 26 disposal: 24	WG. 2830	25 g	29,—	24,65	23,20
10416 A 6.1/74 C 6.1 2811 3	**Vanadium(III) fluoride** *Vanadium(III) fluorure / Vanadio(III) fluoruro* VF_3 $M = 107{,}94$ g/mol assay 95%	WG. 2829	10 g	100,—	85,—	80,—
17919 A 6.1/74 C 6.1 ./. 2	**Vanadium(V) oxide** PURANAL® *Vanadium(V) oxyde / Vanadio(V) óxido* V_2O_5 $M = 181{,}88$ g/mol analytical data on request R: 20 S: 22 disposal: 24	PF. FTP. 2828	5 kg 50 kg	price on request price on request		
14205 A 6.1/74 C 6.1 ./. 2	**Vanadium(V) oxide** pure *Vanadium(V) oxyde / Vanadio(V) óxido* V_2O_5 $M = 181{,}88$ g/mol assay ..... 99,5% loss on ignition ..... 0,5% R: 20 S: 22 disposal: 24	PF. PF. PF. BLT. 2828	100 g 500 g 1 kg 100 kg	26,50 109,— 202,— price on request	22,55 92,65 171,70	21,20 87,20 161,60
63172 A 6.1/74 C 6.1 2811 3	**Vanadium(IV) oxide acetylacetonate** PROSYNTH® *Vanadium(IV) oxyde acétylacétonate / Vanadio(IV) óxido acetilacetonato* $VO(C_5H_7O_2)_2$ $C_{10}H_{14}O_5V$ $M = 265{,}16$ g/mol assay (ex V) 98%	PF. 2934	25 g	12,75	10,85	10,20
34627	**Vanadium sulphuric acid** *Vanadium-acide sulfurique / Vanadio-ácido sulfúrico* 1 L ≈ 1,05 kg R: 36/38 S: 2-26 disposal: 24	FL. 3819	250 ml	13,25	11,25	10,60
10462 A 8/11 C 8 2443 2	**Vanadyl(V) chloride** *Vanadyle(V) chlorure / Vanadilo(V) cloruro* $VOCl_3$ $M = 173{,}30$ g/mol 1 L ≈ 1,83 kg assay 99%	FL. 2830	50 ml	54,—	45,90	43,20

refer explanations

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39223	**Vanillic acid** BIOSYNTH® *Acide vanillique / Acido vainillico* $CH_3OC_6H_3(OH)COOH$ $C_8H_8O_4$ $M = 168{,}15$ g/mol assay (alkalimetric) 98%	PF. *2916*	25 g	35,—	29,75	28,—	26,25
70010	**Vanillin** 100% chem. pure DAB 8, Reag. Ph. Eur. I *Vanilline / Vainillina* $C_6H_3(CHO)(OCH_3)(OH)[1,3,4]$ $C_8H_8O_3$ $M = 152{,}15$ g/mol assay ..... 99,5% melting range ..... 81—83 °C loss on drying (4 h on silica gel) ..... 0,05% sulphated ash 0,01%	BL. FTP. *2911*	1 kg 50 kg	price on request price on request			
32732	**Variamine blue salt B** for microscopy (C. I. No. 37255) *Sel de variamin bleu B / Sal azul de variamina B* $CH_3OC_6H_4NHC_6H_4N{\equiv}N(Cl)$ $C_{13}H_{12}ClN_3O$ $M = 261{,}71$ g/mol	WG. *3205*	10 g	15,—	12,75	12,—	11,25
16415	**Vaseline** *Vaseline / Vaselina*	BL. BLT. BLT. *2712*	1 kg 25 kg 165 kg	13,50 price on request price on request	11,50	10,80	10,40
	Venyltoluene see Methylstyrene						
	Venzonate see Benzyl benzoate						
60298	**Veratraldehyde** PROSYNTH® *Aldéhyde vératrique / Aldehído verátrico* $C_6H_3(OCH_3)_2(CHO)$ $C_9H_{10}O_3$ $M = 166{,}18$ g/mol assay (GC) ..... 98% melting range ..... 40—43 °C	PF. *2911*	250 g	54,50	46,35	43,60	40,90
60299	**Veratric acid** PROSYNTH® *Acide vératrique / Acido verátrico* $C_6H_3(OCH_3)_2(COOH)$ $C_9H_{10}O_4$ $M = 182{,}18$ g/mol assay (alkalimetric) ..... 99% melting range ..... 180—182 °C	PF. PF. *2916*	250 g 1 kg	69,— 229,—	58,65 194,65	55,20 183,20	51,75 176,35
	Veratric acid nitrile see 3,4-Dimethoxybenzonitrile						
23106 3/4 -93 °C	**Veratrole** *Vératrole / Veratrol* $C_6H_4(OCH_3)_2$ $C_8H_{10}O_2$ $M = 138{,}17$ g/mol **1 L ≈ 1,09 kg** congealing point ..... 22 °C	FL. *2908*	1 L	62,50	53,15	50,—	48,15
64941 8/35 8 1719 2	**Veratrylamine** PROSYNTH® *Vératrylamine / Veratrilamina* $(CH_3O)_2C_6H_3CH_2NH_2$ $C_9H_{13}NO_2$ $M = 167{,}21$ g/mol **1 L ≈ 1,12 kg** assay ..... 97% boiling range ..... 155—157 °C refractive index (n_D^{20}) 1,555	FL. *2923*	10 ml	35,—	29,75	28,—	26,25
0300 6.1/21A 6.1 2811 2	**Veratryl cyanide** PROSYNTH® *Vératryle cyanure / Veratrilo cianuro* $C_6H_3(OCH_3)_2(CH_2CN)$ $C_{10}H_{11}NO_2$ $M = 177{,}20$ g/mol assay ..... 98% melting range ..... 60—62 °C R: 23/24/25 S: 44 disposal: 15	WG. WG. *2927*	100 g 500 g	36,25 149,50	30,80 127,10	29,— 119,60	27,20 115,10

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	Verdigris see Copper(II) acetate monohydrate						
	Vermilion see Mercury(II) sulphide	WG. *3916*	50 g	64,50	54,85	51,60	
39681	**Versamide 900** for gas chromatography working temperature .... 175 to 280 °C						
	Versenate-sodium see IDRANAL® III						
	Vert green see Diazine green	*9025*	1 pack	164,—	139,40	131,20	1
37392	**Vessel (glass) "Riedel"** for chromatograms in the size of 10 × 20 cm *Cuve de verre "Riedel" / Cámara de desarrollo "Riedel"* package with 6 pieces	*9025*	1 pack	120,—	102,—	96,—	
37391	**Micro-Vessel (glass) "Riedel"** for chromatograms in the size of 5 × 10 cm *Micro-Cuve de verre "Riedel" / Micro-Cámara de desarrollo "Riedel"* package with 6 pieces						
32960	**Vesuvine solution** according to Neisser (2 g/l) for microscopy *Vésuvine en solution / Vesuvina en solución* 1 L ≈ 1,00 kg	PF. *3819*	250 ml	12,—	10,20	9,60	
32761	**Victoria blue B** for microscopy (C. I. No. 44045, S. No. 822) *Bleu Victoria B / Azul de Victoria B* $C_{33}H_{32}ClN_3$ M = 506,09 g/mol	WG. *3205*	25 g	13,25	11,25	10,60	
62602 A 3/1A C 3.2 1301 2 -8 °C	**Vinyl acetate** PROSYNTH® stabilized with hydroquinone (10 mg/l) *Vinyle acétate / Vinilo acetato* $CH_3COOCH=CH_2$ $C_4H_6O_2$ M = 86,09 g/mol 1 L ≈ 0,93 kg assay (GC) ..... 98 % boiling range ..... 71—73 °C refractive index (n_D^{20}) 1,395	FL. *2914*	1 L	15,50	13,20	12,40	
	Vinylacetic acid see 3-Butenoic acid						
	Vinylacetonitrile see Allyl cyanide						
63173	**9-Vinylanthracene** PROSYNTH® *9-Vinylanthracène / 9-Vinilantraceno* $C_6H_4CH=C_6H_4=CCH=CH$ $C_{16}H_{12}$ M = 204,27 g/mol assay (GC) ..... 95 % melting range ..... 62—65 °C	FL. *2901*	1 g	65,—	55,25	52,—	
	Vinylbenzene see Styrene						
	[5-Vinylchinuclidyl-(2)]-[chinolyl-(4)]carbinol see Cinchonidine						
	Vinyl cyanide see Acrylonitrile						
63174 A 3/1A C 3.2 1993 2 +16 °C	**4-Vinylcyclohexene** PROSYNTH® stabilized with 4-*tert.*-butylpyrocatechol (50 mg/l) *4-Vinylcyclohexène / 4-Vinilciclohexeno* $CH_2CH_2CH=CHCH_2CHCH=CH_2$ C_8H_{12} M = 108,18 g/mol 1 L ≈ 0,83 kg assay (GC) ..... 98 % boiling range ..... 128—130 °C refractive index (n_D^{20}) ..... 1,446 keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera R: 11 S: 9-16-33 disposal: 6	FL. *2901*	100 ml	19,—	16,15	15,20	

refer explanations

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	Vinylene dibromide see 1,2-Dibromoethylene						
60301 A 3/1A C 3.1 1302 1 +45 °C	**Vinyl ethyl ether** PROSYNTH® stabilized with 4-*tert.*-butylpyrocatechol (1g/l) *Ether éthylvinylique / Etere etilvinilico* $C_2H_5OCH=CH_2$ C_4H_8O *M* = 72,11 g/mol **1 L ≈ 0,76 kg** assay (GC) ..... 99% boiling range ..... 34—36 °C refractive index (n_D^{20}) ..... 1,376 keep in refrigerator à stocker dans le frigidaire alamacenaje en la nevera	FL. *2908*	1 L	26,25	22,30	21,—	20,20
	Vinylidene chloride see 1,1-Dichloroethylene						
60302 A 3/3 C 3.3 1992 2 +32 °C	**2-Vinylpyridine** PROSYNTH stabilized with 4-*tert.*-butylpyrocatechol (1g/l) *2-Vinylpyridine / 2-Vinilpiridina* $N=CHCH=CHCH=CCH=CH_2$ C_7H_7N *M* = 105,14 g/mol **1 L ≈ 0,98 kg** assay (GC) ..... 98% boiling range (at 39 mbar) ..... 79—81 °C refractive index (n_D^{20}) ..... 1,549 keep in refrigerator (0 °C) à stocker dans le frigidaire (0 °C) almacenaje en la nevera (0 °C) R: 10-20/21/22 disposal: 19	FL. *2935*	500 ml	58,—	49,30	46,40	44,65
63175 A 3/3 C 3.3 1992 2 +48 °C	**4-Vinylpyridine** PROSYNTH® stabilized with 4-*tert.*-butylpyrocatechol (1 g/l) *4-Vinylpyridine / 4-Vinilpiridina* $N=CHCH=C(CH=CH_2)CH=CH$ C_7H_7N *M* = 105,14 g/mol **1 L ≈ 0,98 kg** assay (GC) ..... 98% boiling range (at 20 mbar) ..... 63—65 °C refractive index (n_D^{20}) ..... 1,550 keep in refrigerator kà stocker dans le frigidaire almacenaje en la nevera R: 10-20/21/22 disposal: 19	FL. *2935*	100 ml	18,—	15,30	14,40	13,50
63810 A 3/4 +98 °C	**N-Vinylpyrrolidone-(2)** PROSYNTH® stabilized with sodium hydroxide (1 g/l) *N-Vinylpyrrolidone-(2) / N-Vinilpirrolidona-(2)* $CH_2=CHNCOCH_2CH_2CH_2$ C_6H_9NO *M* = 111,14 g/mol **1 L ≈ 1,04 kg** assay (GC) ..... 98% boiling range (at 15 mbar) ..... 93—95 °C refractive index (n_D^{20}) ..... 1,512 keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	FL. *2935*	250 ml	24,—	20,40	19,20	18,—
	Vinylpyrrolidone-Vinylacetate-Copolymerisat Luviskol®VA on request						
	Vinyltoluene see Methylstyrene						
39460	**Vitamin B_{12}** BIOSYNTH® *Vitamine B_{12} / Vitamina B_{12}* package of 100 mg $C_{63}H_{90}CoN_{14}O_{14}P$ *M* = 1357,40 g/mol keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera	*2938*	1 pack	14,75	12,55	11,80	11,05

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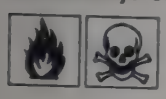
	Vitamine E see DL-α-Tocopherol						
	Vitamine K₃ see 2-Methyl-1,4-naphthoquinone						
12063	**Vlemingkx's solution** Erg. B. 6 *Solution de Vlemingkx / Solución de Vlemingkx* 1 L ≈ 1,21 kg R: 31-36/37/38 S: 28 disposal: 4	FL. *2835*	2,5 L	48,—	39,85	37,45	3
	Volumetric solutions see under the respective designation of chemicals. Complete range see appendix.						
39822	**Vydac® — 101 SI HPLC** 0,030—0,044 mm (30—44 µm) inert nuclear with silica gel plate for high-pressure-liquid chromatography granulation ..... 30—44 µm surface ..... 12 m^2/g middle pore diameter ..... 5,7 nm	WG. *3819*	10 g	207,—	175,95	165,60	15
39823	**Vydac® — 201 RP HPLC** 0,030—0,044 mm (30—44 µm) inert nuclear with reverse-phase-plate for high-pressure-liquid chromatography granulation ..... 30—44 µm surface ..... 12 m^2/g pore diameter ..... 5,7 nm	WG. *3819*	10 g	331,—	281,35	264,80	24
39824	**Vydac® — 301 SB HPLC** 0,030—0,044 mm (30—44 µm) inert nuclear with strongly basic anion exchanger-plate for high-pressure-liquid chromatography granulation ..... 30—44 µm capacity ..... 0,1 mval/g	WG. *3819*	10 g	450,—	382,50	360,—	33
39825	**Vydac® — 401 SA HPLC** 0,030—0,044 mm (30—44 µm) inert nuclear with strongly acid cation exchanger-plate for high-pressure-liquid chromatography granulation ..... 30—44 µm capacity ..... 0,1 mval/g	WG. *3819*	10 g	399,—	339,15	319,20	29
39826	**Vydac® — 501 PP HPLC** 0,030—0,044 mm (30—44 µm) inert nuclear with polar phase for high-pressure-liquid chromatography	WG. *3819*	10 g	312,—	265,20	249,60	23
	Waste water analysis see Test sets AQUANAL®						
	Water analysis see Test sets AQUANAL®						
	Water blue see Aniline blue water-soluble						
	Water determination according to Dietrich and Conrad see Magnesium nitride						
32956 A 3/5 C 3.2 1142 2 +11 °C	**Weigert's solution** DAB 6 for colouring of the elastic fibres, for microscopy *Solution d'aprèsWeigert / Solución de Weigert* 1 L ≈ 0,83 kg R: 11 S: 7-16 disposal: 6	FL. *3819*	250 ml	12,—	10,20	9,60	9
	Weigert see also Hematoxylin solution and Picrocarmin solution						
	Wieninger see Selenium mixture for the quick determination of nitrogen						
	Wijs' solution see Iodine solution according to Wijs						
	Wintergreen oil synthetic see Methyl salicylate						
	Witherite see Barium carbonate						

-Number ADR E/GGVS G-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
3	**Wood's metal** melting point 75 °C *Alliage de Wood / Aleación de Wood*	PF. *2935*	100 g	21,50	18,30	17,20	16,15
	Wool fat see Lanolin	PF. *8104*	1 kg	164,—	139,40	131,20	126,30
	Wright's Eosin methylene blue solution see Eosin methylene-blue solution according to Wright						
3	**9-Xanthencarboxylic acid** PROSYNTH® *Acide 9-xanthènecarboxylique / Acido 9-xantenocarboxílico* $C_6H_4OC_6H_4CHCOOH$ $C_{14}H_{10}O_3$ $M = 226,23$ g/mol assay (titration) ..... 98 % melting range ..... 220—222 °C	WG. *2935*	25 g	41,50	35,30	33,20	31,15
3	**Xanthine** BIOSYNTH® *Xanthine / Xantina* $C_5H_4N_4O_2$ $M = 152,11$ g/mol assay (UV) ..... 96 % log ε/280 (NaOH 0,1 mol/l) 3,973	WG. *2935*	5 g	14,50	12,35	11,60	10,90
	Xanthone PROSYNTH® *Xanthone / Xantona* $C_6H_4OC_6H_4CO$ $C_{13}H_8O_2$ $M = 196,21$ g/mol assay (GC) ..... 98 % melting range ..... 173—175 °C	WG. *2935*	50 g	38,—	32,30	30,40	28,50
	Xanthosine BIOSYNTH® *Xanthosine / Xantosina* $C_{10}H_{12}N_4O_6$ $M = 284,23$ g/mol	WG. *2935*	5 g	27,75	23,60	22,20	20,80
	Xanthydrol R. G. *Xanthydrol / Xantidrol* $C_6H_4OC_6H_4CHOH$ $C_{13}H_{10}O_2$ $M = 198,22$ g/mol	WG. WG. WG. *2935*	5 g 10 g 50 g	29,50 51,— 212,—	25,10 43,35 180,20	23,60 40,80 169,60	22,15 38,25 159,—
92 2	**Xanthydrol solution** PROSYNTH® 10 % in methanol *Xanthydrol en solution / Xantidrol en solución* $C_6H_4OC_6H_4CHOH$ $C_{13}H_{10}O_2$ $M = 198,22$ g/mol **1 L ≈ 0,82 kg** keep in refrigerator à stocker dans le frigidaire almacenaje en la nevera  R: 11-23/25 S: 2-7-16-24 disposal: 18	FL. *3005*	100 ml	82,50	70,15	66,—	61,90

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)
33817 ★ **Xylene** R. G., Reag. ACS, Reag. ISO, Reag Ph. Eur. I *Xylène / Xileno* A 3/3 C 3.3 1307 2 +26 °C	$C_6H_4(CH_3)_2$ C_8H_{10} $M = 106{,}17$ g/mol **1 L ≈ 0,86 kg** total content of isomers (GC) ..... min. 97 % boiling range ..... 137 – 140 °C density (D_4^{20}) ..... 0,865 – 0,867 refractive index (n_D^{20}) ..... 1,4960 – 1,4990 non-volatile matter ..... max. 0,001 % water (according to Karl Fischer) ..... max. 0,01 % free acid (as H_2SO_4) ..... max. 0,0005 % free alkali (as NaOH) ..... max. 0,0005 % aluminium (Al) ..... max. 0,00001 % barium (Ba) ..... max. 0,00001 % lead (Pb) ..... max. 0,000002 % boron (B) ..... max. 0,00005 % cadmium (Ca) ..... max. 0,000002 % chromium (Cr) ..... max. 0,000002 % iron (Fe) ..... max. 0,000002 % cobalt (Co) ..... max. 0,000002 % copper (Cu) ..... max. 0,00001 % magnesium (Mg) ..... max. 0,000002 % manganese (Mn) ..... max. 0,000002 % nickel (Ni) ..... max. 0,00001 % zinc (Zn) ..... max. 0,00001 % tin (Sn) ..... max. 0,003 % sulphur compounds (as S) ..... max. 0,1 % benzene ..... max. 3 % ethylbenzene ..... max. 0,1 % toluene ..... max. 0,0001 % thiophene ..... passes test reaction to sulphuric acid	FL. FL. EKL. EKL. EKL. *2901*	1 L 2,5 L 30 L 5x 10x	23,— 47,50 L L L	19,55 39,45 7,85 7,45 7,—	17,95 37,05
	R: 10-20 S: 24/25 disposal: 6					
34941 ★ **Xylene** R. G. dried (max. 0,01 % H_2O) *Xylène / Xileno* A 3/3 C 3.3 1307 2 +26 °C	$C_6H_4(CH_3)_2$ C_8H_{10} $M = 106{,}17$ g/mol **1 L ≈ 0,86 kg** total content of isomers (GC) ..... min. 95 % ethylbenzene (GC) ..... max. 4 % toluene (GC) ..... max. 1 % boiling range ..... 137 – 140 °C density (D_4^{20}) ..... 0,865 – 0,867 refractive index (n_D^{20}) ..... 1,4960 – 1,4990 non-volatile matter ..... max. 0,002 % water (according to Karl Fischer) ..... max. 0,01 % free acid (as H_2SO_4) ..... max. 0,0005 % free alkali (as NaOH) ..... max. 0,0005 %	FL. *2901*	1 L	27,25	23,15	21,80
	R: 10-20 S: 24/25 disposal: 6					
56031 ★ **Xylene** for scintillation *Xylène / Xileno* A 3/3 C 3.3 1307 2 +26 °C	$C_6H_4(CH_3)_2$ C_8H_{10} $M = 106{,}17$ g/mol **1 L ≈ 0,86 kg**	FL. *2901*	1 L	25,50	21,70	20,40
	R: 10-20 S: 24/25 disposal: 6					

refer explanations

Number DR /GGVS -CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
307 2	★ **Xylene MOS PURANAL® particle class 0** *Xylène / Xileno* $C_6H_4(CH_3)_2$ C_8H_{10} $M = 106{,}17$ g/mol **1 L ≈ 0,86 kg**	FL. *2901*	2,5 L	price on request			

total content of isomers (GC)	min. 97%
boiling range	137–140 °C
density (D_4^{20})	0,865–0,867
refractive index (n_D^{20})	1,4960–1,4990
non-volatile matter	max. 5 ppm
water (according to Karl Fischer)	max. 100 ppm
free acid (as HCl)	max. 5 ppm
free alkali (as NaOH)	max. 1 ppm
aluminium (Al)	max. 0,05 ppm
antimony (Sb)	max. 0,01 ppm
arsenic (As)	max. 0,01 ppm
barium (Ba)	max. 0,1 ppm
beryllium (Be)	max. 0,01 ppm
lead (Pb)	max. 0,02 ppm
boron (B)	max. 0,02 ppm
cadmium (Cd)	max. 0,01 ppm
calcium (Ca)	max. 0,2 ppm
chromium (Cr)	max. 0,01 ppm
iron (Fe)	max. 0,1 ppm
gallium (Ga)	max. 0,02 ppm
gold (Au)	max. 0,02 ppm
indium (In)	max. 0,02 ppm
potassium (K)	max. 0,1 ppm
cobalt (Co)	max. 0,01 ppm
copper (Cu)	max. 0,01 ppm
lithium (Li)	max. 0,02 ppm
magnesium (Mg)	max. 0,1 ppm
manganese (Mn)	max. 0,01 ppm
molybdenum (Mo)	max. 0,01 ppm
sodium (Na)	max. 0,2 ppm
nickel (Ni)	max. 0,01 ppm
platinum (Pt)	max. 0,02 ppm
silver (Ag)	max. 0,02 ppm
strontium (Sr)	max. 0,02 ppm
thallium (Tl)	max. 0,02 ppm
titanium (Ti)	max. 0,01 ppm
vanadium (V)	max. 0,01 ppm
bismuth (Bi)	max. 0,02 ppm
zinc (Zn)	max. 0,05 ppm
tin (Sn)	max. 0,02 ppm
zirconium (Zr)	max. 0,01 ppm
sulphur compounds (as S)	max. 30 ppm
ethylbenzene (GC)	max. 3%
toluene (GC)	max. 1000 ppm

R: 10-20 S: 24/25
disposal: 6

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)	Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	9 (16 B
17865 ★ **Xylene** PURANAL®	FL.	2,5 L	price on request			
A 3/3 *Xylène / Xileno*	EKL.	30 L	price on request			
C 3.3 1307 2 $C_6H_4(CH_3)_2$	*2901*					
+26 °C C_8H_{10} $M = 106{,}17$ g/mol **1 L ≈ 0,86 kg**						

total content of isomers (GC) ..... min. 97%
boiling range ..... 137—140 °C
density (D_4^{20}) ..... 0,865—0,867
refractive index (n_D^{20}) ..... 1,4960—1,4990
non-volatile matter ..... max. 5 ppm
water (according to Karl Fischer) ..... max. 100 ppm
free acid (as HCl) ..... max. 5 ppm
free alkali (as NaOH) ..... max. 1 ppm
aluminium (Al) ..... max. 0,05 ppm
antimony (Sb) ..... max. 0,01 ppm
arsenic (As) ..... max. 0,01 ppm
barium (Ba) ..... max. 0,1 ppm
beryllium (Be) ..... max. 0,01 ppm
lead (Pb) ..... max. 0,02 ppm
boron (B) ..... max. 0,02 ppm
cadmium (Cd) ..... max. 0,01 ppm
calcium (Ca) ..... max. 0,2 ppm
chromium (Cr) ..... max. 0,01 ppm
iron (Fe) ..... max. 0,1 ppm
gallium (Ga) ..... max. 0,02 ppm
gold (Au) ..... max. 0,02 ppm
indium (In) ..... max. 0,02 ppm
potassium (K) ..... max. 0,1 ppm
cobalt (Co) ..... max. 0,01 ppm
copper (Cu) ..... max. 0,01 ppm
lithium (Li) ..... max. 0,02 ppm
magnesium (Mg) ..... max. 0,1 ppm
manganese (Mn) ..... max. 0,01 ppm
molybdenum (Mo) ..... max. 0,01 ppm
sodium (Na) ..... max. 0,2 ppm
nickel (Ni) ..... max. 0,01 ppm
platinum (Pt) ..... max. 0,02 ppm
silver (Ag) ..... max. 0,02 ppm
strontium (Sr) ..... max. 0,02 ppm
thallium (Tl) ..... max. 0,02 ppm
titanium (Ti) ..... max. 0,01 ppm
vanadium (V) ..... max. 0,01 ppm
bismuth (Bi) ..... max. 0,02 ppm
zinc (Zn) ..... max. 0,05 ppm
tin (Sn) ..... max. 0,02 ppm
zirconium (Zr) ..... max. 0,01 ppm
sulphur compounds (as S) ..... max. 30 ppm
ethylbenzene (GC) ..... max. 3%
toluene (GC) ..... max. 1000 ppm

R: 10-20 S: 24/25
disposal: 6

16446 ★ **Xylene** Erg. B. 6	FL.	1 L	22,—	18,70	17,15	16
A 3/3 *Xylène / Xileno*	FL.	2,5 L	42,75	35,50	33,35	32
C 3.3 1307 2 $C_6H_4(CH_3)_2$	EKL.	30 L	L	4,60		
+26 °C C_8H_{10} $M = 106{,}17$ g/mol **1 L ≈ 0,86 kg**	EKL.	5x	L	4,20		
	EKL.	10x	L	3,90		
	EKL.	20x	L	3,75		
	2901					

boiling range ..... 137—140 °C
density (D_4^{20}) ..... 0,865—0,867
refractive index (n_D^{20}) ..... 1,4960—1,4990
non-volatile matter 0,002%

R: 10-20 S: 24/25
disposal: 6

30835 **o-Xylene** min. 99,9% for gas chromatography	FL.	5 ml	49,25	41,85	39,40	36
A 3/3 *o-Xylène / o-Xileno*	*2901*					
C 3.3 1307 2 $C_6H_4(CH_3)_2$						
+30 °C C_8H_{10} $M = 106{,}17$ g/mol **1 L ≈ 0,86 kg**						

R: 10-20 S: 24/25
disposal: 6

Number / OR / GGVS CODE (GGVSee)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxe
★ **o-Xylene** chem. pure *o-Xylène / o-Xileno* 07 2 $C_6H_4(CH_3)_2$ C_8H_{10} $M = 106{,}17$ g/mol **1 L ≈ 0,89 kg** assay (GC) ..... 99,5 % boiling range ..... 143—145 °C density (D_4^{20}) ..... 0,880—0,881 refractive index (n_D^{20}) ..... 1,5045—1,5055 non-volatile matter ..... 0,005 % R: 10-20 S: 24/25 disposal: 6		FL. FL. EKL. *2901*	500 ml 1 L 30 L	29,— 53,—	24,65 45,05 price on request	23,20 42,40	22,3 40,8
m-Xylene min. 99,9 % for gas chromatography *m-Xylène / m-Xileno* 7 2 $C_6H_4(CH_3)_2$ C_8H_{10} $M = 106{,}17$ g/mol **1 L ≈ 0,86 kg** R: 10-20 S: 24/25 disposal: 6		FL. *2901*	5 ml	49,25	41,85	39,40	36,95
★ **m-Xylene** chem. pure *m-Xylène / m-Xileno* 2 $C_6H_4(CH_3)_2$ C_8H_{10} $M = 106{,}17$ g/mol **1 L ≈ 0,86 kg** assay (GC) ..... 99 % boiling range ..... 138—139 °C density (D_4^{20}) ..... 0,863—0,864 refractive index (n_D^{20}) ..... 1,4965—1,4975 non-volatile matter ..... 0,005 % R: 10-20 S: 24/25 disposal: 6		FL. FL. EKL. *2901*	500 ml 1 L 30 L	23,75 43,50 price on request	20,20 37,—	19,— 34,80	18,30 33,50
p-Xylene min. 99,9 % for gas chromatography *p-Xylène / p-Xileno* 2 $C_6H_4(CH_3)_2$ C_8H_{10} $M = 106{,}17$ g/mol **1 L ≈ 0,86 kg** R: 10-20 S: 24/25 disposal: 6		FL. *2901*	5 ml	49,25	41,85	39,40	36,95
★ **p-Xylene** chem. pure *p-Xylène / p-Xileno* 2 $C_6H_4(CH_3)_2$ C_8H_{10} $M = 106{,}17$ g/mol **1 L ≈ 0,86 kg** assay (GC) ..... 99,5 % boiling range ..... 137—139 °C density (D_4^{20}) ..... 0,861—0,862 refractive index (n_D^{20}) ..... 1,4955—1,4965 non-volatile matter ..... 0,005 % R: 10-20 S: 24/25 disposal: 6		FL. FL. EKL. *2901*	500 ml 1 L 30 L	18,50 33,25 price on request	15,75 28,25	14,80 26,60	14,25 25,60
p-Xylenol blue indicator *Bleu de p-xylénol / Azul de p-xilenol* $C_{23}H_{22}O_5S$ $M = 410{,}49$ g/mol		FL. *2937*	1 g	11,—	9,35	8,80	8,25
p-Xylenol blue water-soluble *Bleu de p-xylénol / Azul de p-xilenol*		FL. *2937*	1 g	16,—	13,60	12,80	12,—
Xylenol orange, tetrasodium salt indicator for metal titration *Orangé de xylénol, sel tétrasodique / Naranja de xilenol, sal tetrasódica* $C_{31}H_{28}Na_4O_{13}S$ $M = 732{,}58$ g/mol		FL. WG. *2937*	1 g 5 g	10,50 36,—	8,95 30,60	8,40 28,80	7,90 27,—

CHROMASOLV® solvents for chromatography

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)
	Xylenols see Dimethylphenols					
	p-Xylenolsulphonphthalein see p-Xylenol blue					
	Xylenyl-phthalein-bis-iminodiacetic acid see Phthalein purple					
	Xylidine see Dimethylaniline					
39158	**Xylitol** BIOSYNTH® *Xylitol / Xilita* $HOCH_2(CHOH)_3CH_2OH$ $C_5H_{12}O_5$ $M = 152{,}15$ g/mol melting range ..... 92–95 °C	PF. *2904*	50 g	41,25	35,05	33,–
39159	**D(+)-Xylose** BIOSYNTH® *D(+)-Xylose / D(+)-Xilosa* $OCH_2(CHOH)_3CHOH$ $C_5H_{10}O_5$ $M = 150{,}13$ g/mol specific rotation ($[\alpha]_D^{20}$; c = 10 in H_2O) ... +19,5° ±1,5°	PF. *2943*	50 g	13,50	11,50	10,80
63812 A 6.1/21 C 6.1 2811 2	**o-Xylylene dicyanide** PROSYNTH® *o-Xylylène dicyanure / o-Xilileno dicianuro* $C_6H_4(CH_2CN)_2$ $C_{10}H_8N_2$ $M = 156{,}19$ g/mol melting range ..... 57–59 °C	WG. *2927*	10 g	28,75	24,45	23,–
63927 A 6.1/21 C 6.1 2811 2	**m-Xylylene dicyanide** PROSYNTH® *m-Xylylène dicyanure / m-Xilileno dicianuro* $NCCH_2C_6H_4CH_2CN$ $C_{10}H_8N_2$ $M = 156{,}19$ g/mol melting range ..... 27–29 °C	FL. *2927*	5 g	36,–	30,60	28,80
10597	**Ytterbium** powder *Ytterbium / Iterbio* Yb $M = 173{,}04$ g/mol assay 99%	FL. *2805*	1 g	25,75	21,90	20,60
10601	**Ytterbium(III) chloride-6-hydrate** *Ytterbium(III) chlorure-6-hydrate / Iterbio(III) cloruro-6-hidrato* $YbCl_3 \cdot 6H_2O$ $M = 387{,}49$ g/mol	FL. *2852*	1 g	14,75	12,55	11,80
10598 C 6.1 2811 3	**Ytterbium(III) fluoride** *Ytterbium(III) fluorure / Iterbio(III) fluoruro* YbF_3 $M = 230{,}04$ g/mol assay 99%	FL. *2852*	1 g	25,25	21,45	20,20
10599	**Ytterbium(III) oxide** *Ytterbium(III) oxyde / Iterbio(III) óxido* Yb_2O_3 $M = 394{,}08$ g/mol assay 99%	WG. *2852*	10 g	62,50	53,15	50,–
10463	**Yttrium** powder *Yttrium / Itrio* Y $M = 88{,}91$ g/mol	WG. *2805*	1 g	16,–	13,60	12,80
14802	**Yttrium(III) chloride** *Yttrium(III) chlorure / Itrio(III) cloruro* $YCl_3 \cdot 6H_2O$ $M = 303{,}36$ g/mol	FL. *2852*	5 g	21,–	17,85	16,80
10417 C 6.1 2811 3	**Yttrium(III) fluoride** anhydrous *Yttrium(III) fluorure / Itrio(III) fluoruro* YF_3 $M = 145{,}90$ g/mol assay 99%	WG. *2852*	10 g	62,50	53,15	50,–

e-Number / D/ADR / GVE/GGVS / DG-CODE (GGVSea)		Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
66 1477 2	**Yttrium(III) nitrate-5-hydrate** *Yttrium(III) nitrate-5-hydrate / Itrio(III) nitrato-5-hidrato* $Y(NO_3)_3 \cdot 5H_2O$ $M = 365{,}00$ g/mol	WG. 2852	10 g	22,50	19,15	18,—	16,90
64	**Yttrium oxide** *Yttrium oxyde / Itrio óxido* Y_2O_3 $M = 225{,}81$ g/mol assay 99%	WG. 2852	10 g	31,75	27,—	25,40	23,80
16 B 2059 2 C	**Zapon lacquer** *Vernis Zapon / Laca Zapon* 1 L ≈ 0,90 kg R: 11 S: 9-16-33 disposal: 6	FL. 3209	1 L	28,50	24,25	22,80	21,95
	Ziehl-Neelsen's solution see Carbol-fuchsin solution according to Ziehl-Neelsen						
57	**Zinc** R. G., sticks of 6 mm ∅ *Zinc / Zinc* Zn $M = 65{,}38$ g/mol assay ..... min. 99,5% arsenic (As) ..... max. 0,00001% lead (Pb) ..... max. 0,01% iron (Fe) ..... max. 0,005% phosphorus (P) ..... max. 0,001% sulphur (S) ..... max. 0,001%	PF. 7902 PF. 7902	250 g 1 kg	15,— 44,—	12,75 37,40	12,— 35,20	11,25 33,90
53	**Zinc** R. G., granulated, Reag. ACS, Reag. Ph. Eur. I *Zinc / Zinc* Zn $M = 65{,}38$ g/mol assay ..... min. 99,5% arsenic (As) ..... max. 0,00001% lead (Pb) ..... max. 0,005% cadmium (Cd) ..... max. 0,0005% iron (Fe) ..... max. 0,005% copper (Cu) ..... max. 0,001% tin (Sn) ..... max. 0,001% granulation ..... 5—12 mm	PF. 7903 PF. 7903 FT. 7903	250 g 1 kg 50 kg	11,50 30,25 kg	9,80 25,70 17,—	9,20 24,20	8,65 23,30
17	**Zinc** R. G., flaky *Zinc / Zinc* Zn $M = 65{,}38$ g/mol assay ..... min. 99,5% arsenic (As) ..... max. 0,00001% lead (Pb) ..... max. 0,01% iron (Fe) ..... max. 0,005% phosphorus (P) ..... max. 0,001% sulphur (S) ..... max. 0,001%	PF. 7903 PF. 7903	250 g 1 kg	12,— 32,25	10,20 27,40	9,60 25,80	9,— 24,85
1 6A 78 1436 2	**Zinc** R. G., finely granulated *Zinc / Zinc* Zn $M = 65{,}38$ g/mol granulation ..... 0,5—2,0 mm insoluble in sulphuric acid ..... max. 0,5% arsenic (As) ..... max. 0,000015% matters reducing $KMnO_4$ (as O) ..... max. 0,07%	BL. 7903 BL. 7903	250 g 1 kg	19,50 57,50	16,60 48,90	15,60 46,—	14,65 44,30

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)
31664 A 4.2/6A B AG/78 C 4.3 1436 2	**Zinc** R. G., fine powder (zinc dust) Reag. Ph. Eur. I *Zinc / Zinc* Zn M = 65,38 g/mol assay (metallic zinc) ..... min. 90 % arsenic (As) ..... max. 0,0001 % lead (Pb) ..... max. 0,5 % cadmium (Cd) ..... max. 0,05 % iron (Fe) ..... max. 0,005 % copper (Cu) ..... max. 0,005 % tin (Sn) ..... max. 0,05 % impurities containing nitrogen ..... passes test R: 10-15 S: 7/8-43 disposal: 24	BL. BL. BL. *7903*	500 g 1 kg 5 kg	16,25 26,75 105,—	13,80 22,75 87,15	13,— 21,40 81,90
14401	**Zinc** chem. pure (As max. 0,000015 %) granulated *Zinc / Zinc* Zn M = 65,38 g/mol granulation ..... 5—12 mm	PF. PF. PF. BLT. *7903*	500 g 1 kg 5 kg 50 kg	15,— 27,— 113,— kg	12,75 22,95 93,80 12,—	12,— 21,60 88,15
14472	**Zinc** chem. pure (As max. 0,000015 %) flaky *Zinc / Zinc* Zn M = 65,38 g/mol	PF. PF. *7903*	1 kg 2,5 kg	27,— 58,—	22,95 48,15	21,60 45,25
14407	**Zinc** chem. pure (As max. 0,000015 %) rasped *Zinc / Zinc* Zn M = 65,38 g/mol	PF. PF. *7903*	500 g 1 kg	16,75 31,—	14,25 26,35	13,40 24,80
14409 A 4.2/ 6A B AG38/78 C 4.3 1436 2	**Zinc** pure (As max. 0,000015 %) powder *Zinc / Zinc* Zn M = 65,38 g/mol R: 10-15 S: 7/8-43 disposal: 24	BL. BL. BL. BLT. *7903*	500 g 1 kg 5 kg 50 kg	17,25 31,50 120,— kg	14,65 26,80 99,60 14,—	13,80 25,20 93,60
14406	**Zinc** pure (As max. 0,000015 %) sticks of 6 mm ∅ *Zinc / Zinc* Zn M = 65,38 g/mol	PF. PF. FT. *7902*	500 g 1 kg 25 kg	18,50 33,75 kg	15,75 28,70 13,50	14,80 27,—
14411 A 4.2/ 6A B AG38/78 C 4.3 1436 2	**Zinc** technical finest powder (zinc dust) *Zinc / Zinc* Zn M = 65,38 g/mol R: 15-17 S: 7/8-43A disposal: 28	BL. BL. BLT. *7903*	1 kg 5 kg 50 kg	22,— 88,— kg	18,70 73,05 6,40	17,60 68,65
38614	**0,100 g Zinc** FIXANAL® water-soluble standard for atom absorption *0,100 g Zinc / 0,100 g Zinc* ampoule	*3819*	1 pack	10,25	8,70	8,20
38664 A 3/3 C 3.3 1115 2 +25 °C	**0,100 g** *organo*-**Zinc** FIXANAL® petroleum ether-soluble standard for atom absorption *0,100 g organo- Zinc / 0,100 g organo- Zinc* R: 10 ampoule	*3819*	1 pack	33,75	28,70	27,—
38582	**1,00 g Zinc** FIXANAL® watersoluble standard for atom absorption *1,00 g Zinc / 1,00 g Zinc* ampoule	*3819*	1 pack	10,25	8,70	8,20
38945 C 8 1840 3	**10,00 g Zinc** FIXANAL® as Zinc chloride ampoule	*3819*	1 pack	18,75	15,95	15,—
38950	**10,00 g Zinc** FIXANAL® as Zinc sulphate ampoule	*3819*	1 pack	18,75	15,95	15,—

de-Number D/ADR GVE/GGVS MDG-CODE (GGVSee)	Type of package B.T.N.	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	96x (16 Boxes)
25 **Zinc acetate dihydrate** R. G. *Zinc acétate dihydrate / Zinc acetato dihidrato* $(CH_3COO)_2Zn \cdot 2H_2O$ $C_4H_6O_4Zn \cdot 2H_2O$ $M = 219{,}50$ g/mol assay ..... min. 99,5% insoluble in acetic acid (0,5%) ..... max. 0,005% pH (5%, 20 °C) ..... 6–7 lead (Pb) ..... max. 0,002% cadmium (Cd) ..... max. 0,0005% calcium (Ca) ..... max. 0,001% iron (Fe) ..... max. 0,0005% potassium (K) ..... max. 0,001% copper (Cu) ..... max. 0,0005% magnesium (Mg) ..... max. 0,001% manganese (Mn) ..... max. 0,001% sodium (Na) ..... max. 0,01% chloride (Cl) ..... max. 0,001% sulphate (SO_4) ..... max. 0,005% total nitrogen (N) ..... max. 0,001%	PF. PF. PF. FTP. *2914*	250 g 500 g 1 kg 50 kg	10,50 15,– 28,– kg	8,95 12,75 23,80 14,55	8,40 12,– 22,40	7,90 11,55 21,55
44 **Zinc acetate dihydrate** pure cryst. Erg. B. 6 *Zinc acétate dihydrate / Zinc acetato dihidrato* $(CH_3COO)_2Zn \cdot 2H_2O$ $C_4H_6O_4Zn \cdot 2H_2O$ $M = 219{,}50$ g/mol assay ..... 99,5% pH (5%, 20 °C) ..... 6–7 lead (Pb) ..... 0,005% iron (Fe) ..... 0,002% chloride (Cl) ..... 0,005% sulphate (SO_4) 0,01%	PF. S. S. *2914*	1 kg 50 kg 5x	17,– kg kg	14,45 5,90 5,60	13,60	13,10
45 **Zinc acetate dihydrate** pure powder *Zinc acétate dihydrate / Zinc acetato dihidrato* $(CH_3COO)_2Zn \cdot 2H_2O$ $C_4H_6O_4Zn \cdot 2H_2O$ $M = 219{,}50$ g/mol assay ..... 99% lead (Pb) ..... 0,005% iron (Fe) ..... 0,005% chloride (Cl) ..... 0,01% sulphate (SO_4) 0,01%	PF. S. *2914*	1 kg 50 kg	21,50 price on request	18,30	17,20	16,55
56 **Zinc acetate dihydrate** technical *Zinc acétate dihydrate / Zinc acetato dihidrato* $(CH_3COO)_2Zn \cdot 2H_2O$ $C_4H_6O_4Zn \cdot 2H_2O$ $M = 219{,}50$ g/mol assay ..... 99,5% iron (Fe) ..... 0,01% lead (Pb) 0,005%	PF. S. *2914*	1 kg 50 kg	14,50 price on request	12,35	11,60	11,15
35 **Zinc(II) acetylacetonate** PROSYNTH® *Zinc(II) acétylacétonate / Zinc(II) acetilacetonato* $Zn(C_5H_7O_2)_2$ $C_{10}H_{14}O_4Zn$ $M = 263{,}60$ g/mol assay (ex Zn) ..... 98% melting range ..... 153-155 °C	WG. *2934*	100 g	31,25	26,55	25,–	23,45
70 **Zinc borate** technical light finest powder *Zinc borate / Zinc borato* assay (ZnO) ..... 42% assay (B_2O_3) 36%	PF. S. *2846*	1 kg 25 kg	20,50 price on request	17,45	16,40	15,80

Zinc borofluoride solution see Zinc fluoroborate solution

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02128	**Zinc bromide** chem. pure *Zinc bromure / Zinc bromuro* $ZnBr_2$ $M = 225,19$ g/mol assay ..... 98 % insoluble in water ..... 0,005 % barium (Ba) ..... 0,001 % lead (Pb) ..... 0,005 % calcium (Ca) ..... 0,01 % iron (Fe) ..... 0,001 % potassium (K) ..... 0,01 % magnesium (Mg) ..... 0,01 % sodium (Na) ..... 0,01 % sulphate (SO_4) ..... 0,01 %	WG. WG. WG. FT. *2830*	500 g 1 kg 2,5 kg 25 kg	37,— 67,50 147,— price on request	31,45 57,40 122,—	29,60 54,— 114,65
02135	**Zinc bromide solution** D^{20} 2,5 optical grade for shielded windows of hot cells *Zinc bromure en solution / Zinc bromuro en solución* $ZnBr_2$ $M = 225,19$ g/mol **1 L ≈ 2,50 kg**	FL. BAS. *2830*	1 L 50 kg	67,50 price on request	57,40	54,—
	Zinc carbonate basic see Zinc hydroxide carbonate					
31650 A 8/12 C 8 2331 3	**Zinc chloride** R. G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I *Zinc chlorure / Zinc cloruro* $ZnCl_2$ $M = 136,29$ g/mol assay ..... min. 98 % oxide chloride (as ZnO) ..... max. 1,2 % lead (Pb) ..... max. 0,001 % cadmium (Cd) ..... max. 0,0005 % calcium (Ca) ..... max. 0,001 % iron (Fe) ..... max. 0,0005 % potassium (K) ..... max. 0,001 % copper (Cu) ..... max. 0,001 % magnesium (Mg) ..... max. 0,001 % sodium (Na) ..... max. 0,001 % sulphate (SO_4) ..... max. 0,002 % total nitrogen (N) ..... max. 0,001 % R: 34 S: 7/8-28 disposal: 2	PF. PF. PF. FTP. *2830*	250 g 500 g 1 kg 50 kg	10,75 15,50 26,75 kg	9,15 13,20 22,75 14,75	8,60 12,40 21,40
14422 A 8/12 C 8 2331 3	**Zinc chloride** chem. pure Ph. Eur. I, B. P. C. 1973, Ph. Franç. IX *Zinc chlorure / Zinc cloruro* $ZnCl_2$ $M = 136,29$ g/mol assay ..... 98 % oxide chloride (as ZnO) ..... passes test ph (10 %, 20 °C) ..... 4,6-6,0 ammonium (NH_4) ..... 0,02 % arsenic (As) ..... 0,0002 % iron (Fe) ..... 0,001 % foreign heavy metals (as Pb) ..... 0,003 % substances not precipitated by ammonium sulphide (as sulphates) ..... 0,3 % sulphate (SO_4) ..... 0,01 % total nitrogen (N) ..... 0,001 % R: 34 S: 7/8-28 disposal: 2	PF. PF. PF. FTP. *2830*	500 g 1 kg 2,5 kg 50 kg	13,— 23,25 52,50 price on request	11,05 19,75 43,60	10,40 18,60 40,95
14424 A 8/12 C 8 2331 3	**Zinc chloride** pure dry *Zinc chlorure / Zinc cloruro* $ZnCl_2$ $M = 136,29$ g/mol assay ..... 98 % oxide chloride (as ZnO) ..... 0,6 % lead (Pb) ..... 0,001 % iron (Fe) ..... 0,001 % sulphate (SO_4) ..... 0,05 % total nitrogen (N) ..... 0,2 % R: 34 S: 7/8-28 disposal: 2	PF. PF. BLT. *2830*	1 kg 5 kg 200 kg	19,25 76,50 price on request	16,35 63,50	15,40 59,65

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427 /12 2331 3	**Zinc chloride** technical powder *Zinc chlorure / Zinc cloruro* $ZnCl_2$ $M = 136{,}29$ g/mol assay ..... 98% oxide chloride ..... 1% lead (Pb) ..... 0,005% iron (Fe) ..... 0,005% sulphate (SO_4) ..... 0,05% R: 34 S: 7/8-28 disposal: 2	PF. PF. BLT. *2830*	1 kg 5 kg 200 kg	18,75 69,50 price on request	15,95 57,70	15,— 54,20	14,45 52,15
836 6.1/31A 6.1 1713 1	**Zinc cyanide** *Zinc cyanure / Zinc cianuro* R: 26/27/28-32 S: 1/2-7-28-29-45 disposal: 22	PF. *2843*	1 kg	44,—	37,40	35,20	33,90
	Zinc-disodium salt of the ethylenediaminetetraacetic acid see IDRANAL® (Zinc-IDRANAL®)						
	Zinc dust see Zinc						
158 6.1 2811 3	**Zinc fluoride** technical calcined *Zinc fluorure / Zinc fluoruro* ZnF_2 $M = 103{,}38$ g/mol assay of Zn ..... 61—63% assay of F ..... 33—36% loss on ignition (4 h, 300 °C) ..... 2% lead (Pb) ..... 0,01% iron (Fe) ..... 0,05% sulphate (SO_4) ..... 0,01% screen residue for 0,1 mm 5%	PF. S. *2829*	2,5 kg 50 kg	price on request price on request			
550	**Zinc fluoroborate solution** 50% for electroplating *Zinc fluoroborate en solution / Zinc fluoroborato en solución* $Zn(BF_4)_2$ $M = 238{,}99$ g/mol **1 L ≈ 1,58 kg** assay of Zn ..... 13,6—13,8% free fluoroboric acid (HBF_4) ..... 1—3% free boric acid (H_3BO_3) ..... 1—2% lead (Pb) ..... 0,005% cadmium (Cd) ..... 0,001% iron (Fe) ..... 0,005% copper (Cu) ..... 0,0005% nickel (Ni) ..... 0,0005% chloride (Cl) ..... 0,002% sulphate (SO_4) 0,03%	PF. FPF. *2829*	1 L 45 kg	46,— price on request	39,10	36,80	35,40
421 6.1 2856 3	**Zinc fluorosilicate** technical cryst. *Zinc fluorosilicate / Zinc fluorosilicato* $ZnSiF_6 \cdot 6H_2O$ $M = 315{,}55$ g/mol assay ..... 98% R: 22 S: 2-13-24/25 disposal: 27	PF. S. *2829*	5 kg 50 kg	49,50 price on request	41,10	38,60	37,15
134	**Zinc hydroxide** pure *Zinc hydroxyde / Zinc hidróxido* assay of zinc oxide (ZnO) ..... 70% loss on ignition 20%	PF. *2828*	1 kg	48,—	40,80	38,40	36,95
119	**Zinc hydroxide carbonate** technical *Zinc hydroxyde carbonate / Zinc hidróxido carbonato* assay of Zn ..... 56% lead (Pb) ..... 0,002% iron (Fe) ..... 0,02% chloride (Cl) ..... 0,05% sulphate (SO_4) ..... 0,5% shake volume ..... 130—150ml/100 g	PF. S. *2842*	1 kg 25 kg	17,75 price on request	15,10	14,20	13,65
	Zinc-IDRANAL® see IDRANAL®						

HYDRANAL® a new Karl Fischer reagent

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10469	**Zinc iodide** *Zinc iodure / Zinc yoduro* ZnJ_2 $M = 319,19$ g/mol	WG. *2830*	100 g	30,—	25,50	24,—
34558	**Zinc iodide-starch solution** R. G., Reag. Ph. Eur. I *Amidon en solution avec d'iodure de zinc / Zinc yodure-almidón en solución* 1 L ≈ 1,02 kg	FL. FL. *3819*	500 ml 1 L	price on request price on request		
14436 C 5.1 1514 2	**Zinc nitrate-6-hydrate** pure cryst. *Zinc nitrate-6-hydrate / Zinc nitrato-6-hidrato* $Zn(NO_3)_2 \cdot 6H_2O$ $M = 297,48$ g/mol 98 % assay ..... 0,02 % lead (Pb) ..... 0,001 % iron (Fe) ..... 0,005 % chloride (Cl)	PF. PF. PF. FPD. *2839*	500 g 1 kg 2,5 kg 100 kg	10,— 17,75 37,50 price on request	8,50 15,10 31,15	8,— 14,20 29,25
14437 C 5.1 1514 2	**Zinc nitrate-6-hydrate** technical lumps *Zinc nitrate-6-hydrate / Zinc nitrato-6-hidrato* $Zn(NO_3)_2 \cdot 6H_2O$ $M = 297,48$ g/mol 100 % assay ..... 0,2 % lead (Pb)	PF. FPD. *2839*	2,5 kg 100 kg	30,25 price on request	25,10	23,60
33826	**Zincon** R. G. for the photometric determination of copper and zinc $HOCOC_6H_4NHNC(C_6H_5)NNC_6H_3(OH)SO_3Na \cdot H_2O$ $C_{20}H_{15}N_4NaO_6S \cdot H_2O$ $M = 480,43$ g/mol	FL. WG. *2929*	1 g 5 g	18,75 66,—	15,95 56,10	15,— 52,80
31663	**Zinc oxide** R. G., Reag. ACS *Zinc oxyde / Zinc óxido* ZnO $M = 81,38$ g/mol assay ..... min. 99 % insoluble in sulphuric acid ..... max. 0,01 % arsenic (As) ..... max. 0,00005 % lead (Pb) ..... max. 0,005 % cadmium (Cd) ..... max. 0,0005 % calcium (Ca) ..... max. 0,005 % iron (Fe) ..... max. 0,0005 % copper (Cu) ..... max. 0,0005 % magnesium (Mg) ..... max. 0,002 % manganese (Mn) ..... max. 0,0005 % substances not precipitated by ammonium sulphide (as sulphates) ..... max. 0,1 % chloride (Cl) ..... max. 0,001 % nitrate (NO_3) ..... max. 0,001 % phosphate (PO_4) ..... max. 0,0005 % sulphur compounds (as SO_4) ..... max. 0,01 % substances reducing $KMnO_4$ (as O) ..... max. 0,001 %	PF. PF. PF. *2819*	500 g 1 kg 2,5 kg	15,50 25,50 108,—	13,20 21,70 89,65	12,40 20,40 84,25
56032	**Zinc oxide** (gallium activated) for scintillation *Zinc oxyde / Zinc óxido*	FL. *2819*	5 g	74,—	62,90	59,20
14439	**Zinc oxide** chem. pure Ph. Eur. I, B. P.1973, Ph. Franç. IX *Zinc oxyde / Zinc óxido* ZnO $M = 81,38$ g/mol assay ..... 99,5 % loss on ignition (500 °C) ..... 0,5 % arsenic (As) ..... 0,0005 % lead (Pb) ..... 0,005 % iron (Fe) ..... 0,001 % chloride (Cl) ..... 0,005 % sulphate (SO_4) ..... 0,05 % substances reducing $KMnO_4$ (as O) ..... 0,005 %	PF. PF. S. *2819*	1 kg 2,5 kg 40 kg	19,50 41,— price on request	16,60 34,05	15,60 32,—
14441	**Zinc oxide** pure (indifferent to potassium permanganate) *Zinc oxyde / Zinc óxido* ZnO $M = 81,38$ g/mol assay ..... 99,5 % lead (Pb) ..... 0,005 % cadmium (Cd) ..... 0,0005 % iron (Fe) ..... 0,001 % copper (Cu) ..... 0,0005 % sulphate (SO_4) ..... 0,1 % substances reducing $KMnO_4$ (as O) ..... 0,001 %	PF. PF. S. *2819*	1 kg 2,5 kg 50 kg	20,50 43,75 price on request	17,45 36,30	16,40 34,15

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3	**Zinc oxide** crude DAB 6 *Zinc oxyde / Zinc óxido* ZnO M = 81,38 g/mol	PF. PF. S. 2819	1 kg 2,5 kg 40 kg	20,50 43,75 price on request	17,45 36,30	16,40 34,15	15,80 32,80
0	**Zinc peroxide** about 65% ZnO_2 *Zinc peroxyde / Zinc peróxido* ZnO_2 M = 97,38 g/mol	2819					
9 1516 2	**Zinc peroxide** 50—60%, Erg. B. 6 *Zinc peroxyde / Zinc peróxido* ZnO_2 M = 97,38 g/mol	PF. PF. BLT. 2819	1 kg 2,5 kg 50 kg	30,— 64,50 price on request	25,50 53,55	24,— 50,30	23,10 48,40
1	**Zinc phosphate** *Zinc phosphate / Zinc fosfato* $Zn_3(PO_4)_2 \cdot 4H_2O$ M = 458,14 g/mol assay of zinc (Zn) ..... 44% loss on ignition 15%	PF. PF. S. 2840	500 g 1 kg 50 kg	20,— 37,25 price on request	17,— 31,65	16,— 29,80	15,40 28,70
2 /33 1714 2	**Zinc phosphide** powder *Zinc phosphure / Zinc fosfuro* Zn_3P_2 M = 258,09 g/mol assay of active phosphorus (P) ..... 20% R: 28-32 S: 1/2-20/21/22-28-45 disposal: 29	BL. BL. BL. BLT. 2855	1 kg 2,5 kg 20 kg 50 kg	24,75 52,50 price on request price on request	21,05 43,60	19,80 40,95	19,05 39,40
	Zinc silicofluoride see Zinc fluorosilicate						
4	**Zinc stearate** for gas chromatography *Zinc stéarate / Zinc estearato* $[CH_3(CH_2)_{16}COO]_2Zn$ $C_{36}H_{70}O_4Zn$ M = 632,33 g/mol	WG. 2914	25 g	price on request			
3	**Zinc stearate** pure *Zinc stéarate / Zinc estearato*	K. S. 2914	1 kg 20 kg	17,50 price on request	14,90	14,—	13,50
5	**Zinc sulphate-7-hydrate** R. G., Reag. ACS, Reag. ISO, Reag Ph. Eur. I *Zinc sulfate-7-hydrate / Zinc sulfato-7-hidrato* $ZnSO_4 \cdot 7H_2O$ M = 287,55 g/mol assay ..... min. 99,5% insoluble in water ..... max. 0,005% pH (5%, 20 °C) ..... 4,4—5,6 ammonium (NH_4) ..... max. 0,001% arsenic (As) ..... max. 0,00005% lead (Pb) ..... max. 0,001% cadmium (Cd) ..... max. 0,0005% calcium (Ca) ..... max. 0,001% iron (Fe) ..... max. 0,0005% potassium (K) ..... max. 0,001% copper (Cu) ..... max. 0,001% magnesium (Mg) ..... max. 0,001% manganese (Mn) ..... max. 0,0002% sodium (Na) ..... max. 0,005% chloride (Cl) ..... max. 0,0005% nitrate (NO_3) ..... max. 0,002%	PF. PF. 2838	500 g 1 kg	12,75 20,25	10,85 17,20	10,20 16,20	9,80 15,60

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14455	**Zinc sulphate-7-hydrate** chem. pure Ph. Eur. I, B. P. 1973, Ph. Franç. IX, U. S. P. XIX *Zinc sulfate-7-hydrate / Zinc sulfato-7-hidrato* $ZnSO_4 \cdot 7H_2O$ $M = 287{,}55$ g/mol assay 100 % pH (5 %, 20 °C) 4,4—5,6 arsenic (As) 0,0002 % lead (Pb) 0,001 % calcium (Ca) 0,005 % iron (Fe) 0,001 % potassium (K) 0,01 % magnesium (Mg) 0,02 % sodium (Na) 0,1 % chloride (Cl) 0,01 %	PF. PF. S. *2838*	1 kg 5 kg 50 kg	13,— 49,50 price on request	11,05 41,10	10,40 38,60
14457	**Zinc sulphate-7-hydrate** pure cryst. *Zinc sulfate-7-hydrate / Zinc sulfato-7-hidrato* $ZnSO_4 \cdot 7H_2O$ $M = 287{,}55$ g/mol assay 98 % arsenic (As) 0,001 % lead (Pb) 0,005 % iron (Fe) 0,001 % chloride (Cl) 0,4 %	PF. S. *2838*	1 kg 50 kg	11,— price on request	9,35	8,80
14456	**Zinc sulphate-1-hydrate** pure *Zinc sulfate-1-hydrate / Zinc sulfato-1-hidrato* $ZnSO_4 \cdot H_2O$ $M = 179{,}46$ g/mol assay of $ZnSO_4$ 89 % loss on drying (250 °C) 10 % arsenic (As) 0,001 % lead (Pb) 0,002 % iron (Fe) 0,005 % chloride (Cl) 0,1 %	PF. S. *2838*	1 kg 50 kg	13,50 price on request	11,50	10,80
38343	**0,1 mol Zinc sulphate** FIXANAL® 28,754 g $ZnSO_4 \cdot 7H_2O$ for 1 L 0,1 M solution *0,1 mol Zinc sulfate / 0,1 mol Zinc sulfato* bottle	*3819*	1 pack	11,25	9,55	9,—
56034	**Zinc sulphide** (silver activated) for scintillation *Zinc sulfure / Zinc sulfuro*	WG. *2835*	500 g	283,—	240,55	226,40
56035	**Zinc sulphide** (silver activated, niquel endowed) for scintillation *Zinc sulfure / Zinc sulfuro*	WG. *2835*	500 g	283,—	240,55	226,40
54032	**Zinc sulphide** COTAL® powder *Zinc sulfure / Zinc sulfuro* ZnS $M = 97{,}45$ g/mol	PF. PF. *2835*	100 g 500 g	66,— 272,—	56,10 231,20	52,80 217,60
14459	**Zinc sulphide** pure *Zinc sulfure / Zinc sulfuro* ZnS $M = 97{,}45$ g/mol assay 98 % loss on drying (105 °C) 0,2 % barium (Ba) 0,08 % calcium (Ca) 0,02 % iron (Fe) 0,001 % cobalt (Co) 0,03 % magnesium (Mg) 0,04 %	PF. PF. PF. S. *2835*	500 g 1 kg 2,5 kg 25 kg	9,75 17,— 36,— price on request	8,30 14,45 29,90	7,80 13,60 28,10
35882	**Ziram** min. 99 % PESTANAL® (Zinc dimethyldithiocarbamate) $[(CH_3)_2NC(S)S]_2Zn$ $C_6H_{12}N_2S_4Zn$ $M = 305{,}82$ g/mol R: 22-38 S: 2-13 disposal: 7	FL. *2934*	1 g	28,25	24,—	22,60

Zirconia see Zirconium oxide

refer explanations

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02	**Zirconium** for getter purposes *Zirconium / Zirconio* Zr $M = 91,22$ g/mol assay ..... 97% iron (Fe) ..... 0,05% titanium (Ti) ..... 0,1% R: 15-17 S: 7/8-43A disposal: 28	BL. BL. 8104	25 g 100 g	16,50 55,50	14,05 47,20	13,20 44,40	12,40 41,65
22	**0,100 g Zirconium** FIXANAL® water-soluble standard for atom absorption *0,100 g Zirconium / 0,100 g Zirconio* ampoule	3819	1 pack	10,25	8,70	8,20	7,70
84	**1,00 g Zirconium** FIXANAL® watersoluble standard for atom absorption *1,00 g Zirconium / 1,00 g Zirconio* ampoule	3819	1 pack	10,25	8,70	8,20	7,70
39	**Zirconium(IV) acetylacetonate** PROSYNTH® *Zirconium(IV) acétylacétonate / Zirconio(IV) acetilacetonato* $Zr(C_5H_7O_2)_4$ $C_{20}H_{28}O_8Zr$ $M = 487,66$ g/mol assay (ex Zr) ..... 98% melting range ..... 191—193 °C	WG. 2934	50 g	16,50	14,05	13,20	12,40
16	**Zirconium(IV) carbonate** *Zirconium(IV) carbonate / Zirconio(IV) carbonato* assay of ZrO_2 ..... 41%	WG. 2842	100 g	12,75	10,85	10,20	9,55
18 1 2811 3	**Zirconium(IV) fluoride** *Zirconium(IV) fluorure / Zirconio(IV) fluoruro* ZrF_4 $M = 167,21$ g/mol assay ..... 98% cont. abt. 3% HfF_4	PF. 2829	100 g	163,—	138,55	130,40	122,25
65 V-NR746 2/6E 3 1437 2	**Zirconium(II) hydride** *Zirconium(II) hydrure / Zirconio(II) hidruro* ZrH_2 $M = 93,24$ g/mol assay ..... 99% R: 15 S: 7/8-24/25-43A disposal: 28	FL. 2857	10 g	15,—	12,75	12,—	11,25
03	**Zirconium oxide** (dioxide) pure *Zirconium oxyde / Zirconio óxido* ZrO_2 $M = 123,22$ g/mol assay of ZrO_2 and HfO_2 ..... 99% loss on ignition (1000 °C) ..... 0,5% iron (as Fe_2O_3) ..... 0,04% titanium (as TiO_2) ..... 0,15% silicate (SiO_2) ..... 0,3% sulphate (SO_4) 0,2%	PF. S. 2828	1 kg 40 kg	35,—	29,75 price on request	28,—	26,95
70	**Zirconium oxide chloride-8-hydrate** R. G. *Zirconium oxychlorure-8-hydrate / Zirconio óxido cloruro-8-hidrato* $ZrOCl_2 \cdot 8H_2O$ $M = 322,25$ g/mol assay ..... min. 99,5% insoluble in water ..... max. 0,01% iron (Fe) ..... max. 0,001% titanium (Ti) ..... max. 0,01% suitability as micro reagent ..... passes test	WG. PF. 2830	25 g 100 g	11,— 31,50	9,35 26,80	8,80 25,20	8,25 23,65
04	**Zirconium(IV) oxide chloride solution** (abt. 20% ZrO_2) *Zirconium(IV) oxychlorure en solution / Zirconio(IV) óxido cloruro en solución* $ZrOCl_2$ $M = 178,13$ g/mol	FL. 2830	250 ml	30,75	26,15	24,60	23,05

Code-Number A) RID/ADR B) GGVE/GGVS C) IMDG-CODE (GGVSee)		Type of package *B.T.N.*	Price per package DM	1x	6x (1 Box)	24x (4 Boxes)	(1
	Zirconium potassium fluoride see Potassium fluorozirconate						
14608	**Zirconium(IV) sulphate** basic *Zirconium(IV) sulfate / Zirconio(IV) sulfato* assay of ZrO_2 ..... 30%	PF. *2838*	100 g	10,50	8,95	8,40	
14611	**Zirconyl acetate solution** (abt. 22% ZrO_2) *Zirconyle acétate en solution / Zirconio oxiacetato en solución* $(CH_3COO)_2ZrO$ $C_4H_8O_5Zr$ $M = 225{,}31$ g/mol **1 L ≈ 1,30 kg**	FL. *2914*	250 ml	25,25	21,45	20,20	
	Zulkowsky see Starch soluble according to Zulkowsky						

mendments while going to print

Riedel-de Haën AG

e	Code-Number		Type of package		Price DM	
4	*33209*	**Acetic acid** (glacial) min. 99,7% R.G. Reag. ACS, Reag. ISO, Reag Ph. Eur. I, indifferent to chromic acid	FPN.	60 kg	kg	7,25
			FPN.	5x	kg	6,75
5	*27221*	**Acetic acid** (glacial) 99–100% chem. pure	FPN.	60 kg	kg	4,–
			FPN.	5x	kg	3,70
6	*27222*	**Acetic acid** (glacial) 99–100% technical	FPN.	60 kg	kg	3,60
			FPN.	5x	kg	3,20
6	*33206*	**Acetid acid** (glacial) 96% R.G.	FPN.	60 kg	kg	7,15
			FPN.	5x	kg	6,65
7	*27264*	**Acetic acid** technical 90%	FPN.	60 kg	kg	3,35
			FPN.	5x	kg	3,05
7	*27218*	**Acetic acid** 80% chem. pure	FPN.	60 kg	kg	3,60
			FPN.	5x	kg	3,15
9	*32201*	**Acetone** R.G., Reag. ISO, Reag. Ph. Eur. I	EKL.	20 kg	kg	7,05
			EKL.	5x	kg	6,50
			EKL.	12x	kg	6,25
6	*30501*	**Ammonia solution** about 25% NH_3 R.G., Reag. ISO, Reag. Ph. Eur. I	FPF.	50 kg	kg	3,50
			FPF.	5x	kg	3,25
3	*31101*	**Ammonium aluminium sulphate-12-hydrate** R.G.	FTP.	50 kg	kg	12,50
3	*30101*	**Ammonium fluoride** R.G., Reag. ACS	FTP.	50 kg	kg	32,––
3	*11222*	**Ammonium peroxodisulphate** pure Erg. B 6	S.	50 kg	price on request	
7	*31127*	**Barium hydroxide-8-hydrate** R.G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I	FT.	50 kg	kg	9,00
3	*31128*	**Barium nitrate** R.G., Reag. ACS	FTP.	50 kg	kg	13,––
2	*32212*	**Benzene** R.G., Reag. ACS	EKL.	30 L	L	8,85
			EKL.	5x	L	8,40
			EKL.	10x	L	8,15
4	*24519*	**Benzene** pure Erg. B. 6	EKL.	30 L	L	4,40
			EKL.	5x	L	4,20
			EKL.	10x	L	3,95
0	*31146*	**Boric acid** R.G., buffer substance, Reag., ACS, Reag. ISO, Reag. Ph. Eur. I	FT.	50 kg	kg	8,50
	33064	*iso*-**Butanol** R.G.	EKL.	20 kg	kg	12,60
5	*25011*	**Calcium acetate** chem. pure	S.	25 kg	kg	6,30
0	*12010*	**Calcium carbonate** chem. pure precipitated Ph. Eur. I, B.P. 1973, Ph. Franç. IX, U.S.P. XIX	S.	25 kg	kg	1,95
			S.	5x	kg	1,85
1	*12009*	**Calcium carbonate** pure precipitated light snow-white	S.	25 kg	kg	1,55
			S.	5x	kg	1,45
5	*31219*	**Calcium hydroxide** R.G. Reag. Ph. Eur. I	FTP.	50 kg	kg	8,50

Page	Code-Number		Type of package		Price DM		
197	*31218*	**Calcium nitrate-4-hydrate** R.G.	FTP.	50 kg	kg	7,90
204	*31627*	**Carbon disulphide** R.G., Reag. ACS, Reag. Ph. Eur. I	KA.	25 kg	kg	8,55
205	*32215*	**Carbon tetrachloride** R.G. (max. 0,0005 % S), Reag. Ph. Eur. I	EKL.	45 kg	kg	5,55
			EKL.	5x	kg	5,25
238	*32211*	**Chloroform R.G.**, stabilized with abt. 1% ethanol, Reag. ACS, Ph. Eur. I	BA.	35 kg	kg	9,70
			BA.	5x	kg	8,95
			BA.	10x	kg	8,70
264	*31225*	**Chromium (VI) oxide** R.G., cryst. Reag. ACS, Reag. Ph. Eur. I	BL.	50 kg	kg	26,--
274	*24303*	**Collodion 4%**, DAB 6	EKS.	45 kg	kg	12,35
291	*33117*	**Cyclohexane** R.G.	EKL.	20 kg	kg	15,75
338	*32222*	**Dichloromethane** R.G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I, stabilized with (26 mg/l)	EKL.	45 kg	kg	5,50
351	*15421*	**Diethanolamine** pure	EKL.	35 kg	kg	5,50
			F.	215 kg	kg	4,--
361	*24004*	**Diethyl ether** DAB 7, B.P. 1973, U.S.P. XIX stabilized with 2,6-di-*tert.*-butyl-4-methylphenol (5 mg/l)	F.	140 kg	price on request	
406	*33147*	**1,4-Dioxan** R.G., Reag. Ph. Eur. I, stabilized with 2,6-di-*tert.*-butyl-4-methyphenol (25 mg/l)	EKL.	30 kg	kg	25,20
407	*24224*	**1,4-Dioxan** stabilized with 2,6-di-*tert.*-butyl-4-methylphenol (25 mg/l)	EKL.	30 kg	kg	9,60
			EKL.	5x	kg	9,35
433	*33211*	**Ethyl acetate** R.G. Reag. ACS Reag. ISO, Reag. Ph. Eur. I	EKL.	25 kg	kg	9,45
447	*33068*	**Ethylene glycol** R.G.	FPF.	30 kg	kg	9,70
486	*33220*	**Formaldehyde solution** 35% by weight, R.G., Reag. ACS stabilized with about 10% methanol	STP.	60 kg	kg	4,20
487	*33015*	**Formic acid 98–100%**, R.G., Reag. ACS, Reag. Ph. Eur. I	PKM.	70 kg	kg	7,90
497	*32224*	**Glycerol** 86–88%, R.G., Reag. Ph. Eur. I	FPF.	70 kg	kg	16,--
500	*15170*	**Guaiazulene** 100% pure cryst.	ALU.	50 g	price on request	
			ALU.	100 g	price on request	
501	*15171*	**Guaiazulene** 50% (dissolved in paraffin viscid)	ALU.	100 g	price on request	
			ALU.	500 g	price on request	
501	*15172*	**Guaiazulene** 25% soluble in water (dissolved in Cremophor® EL)	ALU.	100 g	price on request	
			ALU.	500 g	price on request	
501	*15182*	**Guaiazulene** 25% powder (on Aerosil®)	FT.	500 g	price on request	
512	*15614*	**Hexamethylenetetramine** DAB 8	S.	50 kg	kg	6,15
			S.	5x	kg	5,75
			FTP.	50 kg	kg	6,45
			FTP.	5x	kg	6,05

Code-Number		Type of package		Price DM		
15667	**Hexane**	EKL.	30 L	L	8,10
30720	**Hydrochloric acid** 32%, R.G.	FPF.	65 kg	kg	2,60
		FPF.	5x	kg	2,40
34549	**IDRANAL® III** (Ethylenediaminetetraacetic acid disodium salt) R.G. Reag. Ph. Eur. I	FTP.	50 kg	kg	55,--
13286	**Manganese (II) acetate tetrahydrate** chem. pure	S.	50 kg	kg	4,95
31423	**Manganese (II) nitrate-4-hydrate** R.G.	FTP.	50 kg	kg	14,25
32213	**Methanol** R.G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I	STP.	45 kg	kg	6,10
		STP.	5x	kg	5,80
		STP.	10x	kg	5,50
24228	**Methanol** pure Erg. B.6	EKL.	20 kg	kg	2,95
		EKL.	5x	kg	2,70
		EKL.	10x	kg	2,55
		EKL.	20x	kg	2,40
		F.	160 kg	kg	2,15
33407	**Methyl ethyl ketone** R.G., Reag. Ph. Eur. I	EKL.	20 kg	kg	9,50
30709	**Nitric acid** min. 65%, R.G., Reag. ISO, Reag. Ph. Eur. I	STP.	40 kg	kg	5,80
		STP.	5x	kg	5,35
27736	**Oxalic acid dihydrate** technical cryst.	S.	25 kg	price on request	
24533	**Petroleum ether** (ligroine) boiling range abt. 90–100°C	EKL.	30 L	L	3,80
		EKL.	5x	L	3,55
24538	**Petroleum ether** FAM-Benzine standard (DIN 51635 and 51557), boiling range 65–95°C	EKL.	30 L	L	6,40
		EKL.	5x	L	5,90
32248	**Petroleum ether** R.G. boiling range 60–80°C	EKL.	30 L	L	9,45
24553	**Petroleum ether** boiling range 60–70°C	EKL.	30 L	L	4,70
		EKL.	5x	L	4,50
		EKL.	10x	L	4,20
32247	**Petroleum ether** R.G., Reag. Ph. Eur. I (petroleum benzine)	EKL.	30 L	L	9,45
24541	**Petroleum ether** pure, boiling range 40–60°C	EKL.	30 L	L	5,30
		EKL.	5x	L	5,--
		EKL.	10x	L	4,75
32246	**Petroleum ether** R.G. boiling range 30–50°C	EKL.	30 L	L	10,50
24549	**Petroleum ether** boiling range 30–50°C	EKL.	30 L	L	5,30
		EKL.	5x	L	5,05
		EKL.	10x	L	4,85
30417	*ortho*-**Phosphoric acid 85%,** R.G., Reag. ACS, Reag. ISO,	FPF.	50 kg	kg	5,80
		FPF.	5x	kg	5,50
31262	**Potassium carbonate – sodium carbonate** R.G., powder	FTP.	50 kg	kg	12,--
31248	**Potassium chloride** R.G., Reag. ISO, Reag. Ph. Eur. I	FTP.	50 kg	kg	9,--
30407	**Potassium dihydrogen phosphate** R.G., buffer substance,	FTP.	50 kg	kg	15,--

Page	Code-Number		Type of package			Price DM	
810	*31268*	**Potassium disulphite** R.G.	FTP.	50 kg	kg	10,80	
			FTP.	25 kg	kg	25,--	
811	*30104*	**Potassium fluoride** R.G.	FTP.	50 kg	kg	7,50	
821	*31263*	**Potassium nitrate** R.G., Reag. ACS, Reag. ISO,	S.	50 kg	kg	13,65	
822	*25413*	**Potassium oxalate monohydrate** chem. pure Erg. B 6	FTP.	50 kg	kg	10,75	
826	*31270*	**Potassium sulphate** R.G., Reag. ACS, Reag. ISO,	EKL.	25 kg	kg	17,30	
833	*33538*	**Propanol-(1)** R.G., (propyl alcohol)	EKL.	20 kg	kg	8,10	
834	*33539*	**Propanol-(2)** R.G. ACS, Reag. Ph Eur. I (iso-propyl alcohol)	EKL.	5x	kg	7,50	
			EKL.	10x	kg	7,10	
873	*32319*	**Sodium acetate** anhydrous R. G.	FTP.	50 kg	kg	13,50	
873	*32318*	**Sodium acetate trihydrate** R.G., Reag. ACS, Reag. ISO,	FTP.	50 kg	kg	8,50	
			FTP.	5x	kg	7,95	
876	*31432*	**Sodium carbonate** anhydrous, R.G., Reag. ACS, Reag. ISO,	FTP.	50 kg	kg	8,20	
878	*31434*	**Sodium chloride** R.G., Reg. Ph. Eur. I	FTP.	50 kg	kg	4,10	
			FTP.	5x	kg	3,85	
881	*11835*	**Sodium cyanide** 98% NaCN, lumps	BLT.	50 kg	price on request		
883	*30411*	*tetra*-**Sodium diphosphate-10-hydrate** R.G.	FTP.	50 kg	kg	11,--	
883	*31448*	**Sodium disulphite** R.G. dry, Reag. Ph. Eur. I	FTP.	50 kg	kg	6,--	
887	*31437*	**Sodium hydrogen carbonate** R.G. powder, Reag. ACS,	FTP.	50 kg	kg	5,50	
888	*30427*	*di*-**Sodium hydrogen phosphate** R.G., buffer substance,	FTP.	50 kg	kg	15,50	
888	*30412*	*di*-**Sodium hydrogen phosphate-2-hydrate** R.G.,	FTP.	50 kg	kg	11,50	
			FTP.	5x	kg	10,70	
892	*30531*	**Sodium hydroxide solution** 32% R.G., for the determination of nitrogen (max. 0,0005% N)	FPF.	35 kg	kg	3,60	
			FPF.	5x	kg	3,40	
897	*31440*	**Sodium nitrate** R.G., Reag. ACS, Reag. ISO	FTP.	50 kg	kg	10,30	
903	*31481*	**Sodium sulphate** R.G. exsiccated, Reag. ACS, Reag. ISO,	FTP.	50 kg	kg	7,60	
904	*13468*	**Sodium sulphide** (60–62% Na_2S) scales	S.	50 kg	price on request		
904	*31454*	**Sodium sulphite** R.G. dry	FTP.	50 kg	kg	9,80	
905	*31453*	**Sodium sulphite-7-hydrate** R.G.	FTP.	50 kg	kg	10,20	
920	*30743*	**Sulphuric acid** 95–97%, R.G., Reag. ISO, Reag. Ph. Eur. I	FPF.	50 kg	kg	3,60	
			FPF.	5x	kg	3,55	
			FPF.	10x	kg	3,30	
969	*27815*	**4-Toluenesulphonic acid monohydrate**	S.	25 kg	kg	5,20	
			S.	5x	kg	4,95	
986	*16339*	**Triethanolamine** technical	EKL.	30 kg	kg	6,--	
1030	*31650*	**Zinc chloride** R.G.	FTP.	50 kg	current price		

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1. Products for analysis

1.1. Reagents for analysis

33209 Acetic acid, (glacial) min. 99,7% R. G., Reag. ACS, Reag. ISO, Reag Ph. Eur. I, indifference to chromic acid

33206 Acetic acid, (glacial) 96% R. G.

33214 Acetic anhydride, R. G., Reag. ACS, Reag. Ph. Eur. I

32612 Alizarin (C. I. No. 58000, S. No. 1141), R. G.

31154 Aluminium nitrate-9-hydrate, R. G., Reag. ACS

33016 2-Aminobenzoic acid, R. G., Reag. Ph. Eur. I

33017 1-Amino-2-hydroxy-4-naphthalenesulphonic acid, R. G., for the determination of phosphates

33082 3-Aminomethylalizarin-N,N-diacetic acid dihydrate, R. G., for spectrophotometric fluoride determination

30501 Ammonia solution, about 25% NH_3 R. G., Reag. ISO, Reag. Ph. Eur. I

32301 Ammonium acetate, R. G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I

31101 Ammonium aluminium sulphate-12-hydrate, R. G.

31106 Ammonium carbamate, R. G.

31823 Ammonium cerium(IV) nitrate, R. G., Reag. ACS, Reag. Ph. Eur. I

31173 Ammonium cerium(IV) sulphate-2-hydrate, R. G., Reag. Ph. Eur. I

31107 Ammonium chloride, R. G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I

31203 Ammonium chlorocuprate(II), R. G., Reag. ACS

31202 Ammonium dichromate, cryst. R. G.

30401 Ammonium dihydrogen phosphate, R. G., Reag. ACS

30101 Ammonium fluoride, R. G., Reag. ACS

32303 *di*-Ammonium hydrogen citrate, R. G.

30402 *di*-Ammonium hydrogen phosphate, R. G., Reag. ACS, Reag. Ph. Eur. I

30328 Ammonium iodide, R. G., Reag. ACS

31105 Ammonium iron(II) sulphate-6-hydrate, (max. 0,002% Mn) R. G.

31111 Ammonium iron(III) sulphate, R. G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I

31110 Ammonium iron(II) sulphate-6-hydrate, R. G. Reag. ISO, Reag. Ph. Eur. I

31402 Ammonium molybdate, R. G., Reag. Ph. Eur. I

31114 Ammonium nitrate, R. G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I

32304 Ammonium oxalate, R. G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I

31117 Ammonium peroxodisulphate, R. G., Reag. ACS, Reag. Ph. Eur. I

33022 Ammonium sulphamidate, R. G. (for the determination of sulphonamides in the blood), Reag. ACS

31119 Ammonium sulphate, R. G., Reag ACS, Reag. ISO, Reag. Ph. Eur. I

31120 Ammonium thiocyanate, R. G., Reag. ACS, Reag. ISO, Reag. Ph Eur. I

31153 Ammonium *meta*-vanadate, R. G Reag. Ph. Eur. I

33029 Aniline, R. G., Reag. ACS, Reag. Ph. Eur. I

33031 Anisole, R. G.

33032 Anthrone, R. G.

31171 Antimony, R. G.

31175 Antimony(III) chloride, R. G., Reag. ACS, Reag. Ph. Eur. I bottle of 100 g

31176 Antimony(III) chloride, R. G., Reag. ACS, Reag. Ph. Eur. I bottle of 250 g

31177 Antimony(III) chloride, R. G., Reag. ACS, Reag. Ph. Eur. I bottle of 500 g

31178 Antimony(III) chloride, R. G., Reag. ACS, Reag. Ph. Eur. I bottle of 1 kg

31121 Antimony(III) chloride, R.G., Reag. ACS

31122 Antimony(III) oxide, R. G.

33085 Arsenazo I, R. G.

33086 Arsenazo III, R. G.

31140 Arsenic, R.G.

31123 Arsenic(III) oxide, R. G., Reag. ACS, Reag. Ph. Eur. I

33034 L(+)-Ascorbic acid, R. G., Reag. ISO, Reag. Ph. Eur. I

33035 Aurin tricarboxylic acid ammonium salt, R. G.

32305 Barium acetate, R. G., Reag. ACS

31124 Barium carbonate, R. G., Reag. ACS

31125 Barium chloride-2-hydrate, R. G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I

31204 Barium chromate, R. G.

31127 Barium hydroxide-8-hydrate, R. G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I

31128 Barium nitrate, R. G., Reag. ACS

31126 Barium perchlorate, anhydrous R. G.

36114 Bates' reagent

33087 Bathocuproin, R. G.

33088 Bathocuproin disulphonic acid disodium salt, R. G.

33089 Bathophenanthrolin, R. G.

33090 Bathophenanthrolin disulphonic acid disodium salt, R. G.

33093 Benzhydroxamic acid, R. G.

33045 Benzoic acid, for calorimetrical determination, about 6320 cal/g ≙ 26461 J/g

33047 Benzoic acid, R. G., Reag. ACS, Reag. Ph. Eur. I

33049 α-Benzoinoxime, R. G.

33052 Benzoyl chloride, R. G., Reag. ACS, Reag. Ph. Eur. I

33054 N-Benzoyl-N-phenylhydroxylamine, R. G.

33055 Benzyl alcohol, R. G., Reag. Ph. Eur. I

33056 Bilirubin, R.G.

33069 Bindone, R.G.

33155 2,2'-Bipyridine, R. G.

33080 4,4'-Bis-(3,4-dihydroxybenzeneazo)-stilbene-2,2'-disulphonic acid diammonium salt, R.G.

31646 Bismuth subnitrate, R. G.

33091 Bismuthiol I dipotassium salt, R. G.

33092 Bismuthiol II, R. G.

31146 Boric acid, R. G., buffer substance, Reag. ACS, I Reag. Ph. Eur. I

31145 Boron trioxide, anhydro granular for the silicate

30202 Bromine, R. G., Reag. A ISO, Reag. Ph. Eur. I

33058 4-Bromoaniline, R. G.

33094 4-Bromomandelic acid,

33749 BTC (Blue tetrazolium cl

33185 Cadion, R. G.

31309 Cadmium, R. G. granula filling of reductors, grar 0,3—1,5 mm

32308 Cadmium acetate dihyd

31147 Cadmium chloride-1-hy R. G.

31310 Cadmium nitrate-4-hydr

31148 Cadmium sulphate, R. G ACS

33107 Caesignost®, R.G.

31312 Calcium carbonate, for analysis

31208 Calcium carbonate, R. G

31214 Calcium chloride, 98% for micro-analysis

31216 Calcium chloride, 84% granular

31307 Calcium chloride-2-hydr Reag. ACS, Reag. Ph. E

31219 Calcium hydroxide, R. G Ph. Eur. I

31218 Calcium nitrate-4-hydra

30406 *tri*-Calcium phosphate,

31221 Calcium sulphate-2-hyd

32649 Carmine, R. G. and for I (C.I. No. 75470, S. No. 1 (Nacarat)

33337 Carminic acid, R. G. and microscopy (C. I. No. 75 No. 1381)

33843 Cellulose HYPHAN, ion R. G.

31808 Cerium(III) chloride-7-h R. G.

31606 Cerium(IV) sulphate, R.

31807 Cesium chloride, R. G.

31311 Cesium sulphate, R. G.

34521 Chloral hydrate solution

31224 Chloramine T, R. G., Re Eur. I

33176 Chloranilic acid, R. G.

33177 Chloranilic acid barium trihydrate, R. G.

33178 Chloranilic acid lanthan R. G.

33179 Chloranilic acid mercury R. G., for photometric c determination

33108 Chrome azurol S, (C. I. S. No. 841) indicator for titration

31313 Chromium(III) nitrate-9-R. G.

31225 Chromium(VI) oxide, R. Reag. ACS, Reag. Ph. E

33111 Chromotropic acid, R. C Ph. Eur. I

33112 Cinchonine hydrochlori dihydrate, R. G.

33114 Citric acid monohydrate buffer substance, Reag Reag. Ph. Eur. I

Cobalt(II) acetate tetrahydrate, R. G., Reag Ph. Eur. I
Cobalt(II) chloride-6-hydrate, R. G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I
Cobalt(II) nitrate-6-hydrate, R. G., Reag. ACS
Cobalt(II) nitrate-6-hydrate, R. G., Reag. Ph. Eur. I (max. 0,001% Ni)
Cobalt(III) oxide, R. G. (for the determination of sulphur)
Cobalt(II) sulphate-7-hydrate, R. G.
sym.-Collidine, R. G.
Copper, R. G., electrolytic, wire, Reag. Ph. Eur. I
Copper oxide, R. G. wire, containing CuO and Cu_2O
Copper(II) acetate monohydrate, R. G., Reag. ACS, Reag. Ph. Eur. I
Copper(II) chloride-2-hydrate, R. G.
Copper(I) chloride, R. G., Reag. ACS, Reag. Ph. Eur. I
Copper(II) nitrate-3-hydrate, R. G., Reag. ACS, Reag. Ph. Eur. I
Copper(II) oxide, R. G. granular
Copper(II) oxide, R. G. powder
Copper(II) sulphate, R. G. anhydrous
Copper(II) sulphate-5-hydrate, R. G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I
m-Cresol, R. G.
Cupferron, R. G.
Cuproin, R. G.
Curcumin, R. G.
1,2-Cyclohexanedionedioxime, R. G.
Devarda's alloy, R. G. powder
Diacetylmonoxime, R. G.
o-Dianisidine, R. G., containing 30—40% water for safety reasons
1,1'-Dianthrimide, R. G. [Di-(1,1'-anthraquinonyl)-amine]
2,6-Dibromophenolindophenol sodium salt, R.G.
2,6-Dibromoquinone-4-chlorimide, R. G.
2,6-Dichlorophenolindophenol sodium salt dihydrate, R. G., Reag. Ph. Eur. I
2,6-Dichloroquinone-4-chlorimide, R. G.
5-(4-Diethylaminobenzylidene)-rhodanine, R. G.
Diethylammonium diethyldithiocarbamate, R. G.
N,N-Diethylaniline, R. G.
5,5-Diethylbarbituric acid, R. G., Reag. Ph. Eur. I, buffer substance
Dimedone, R. G., reagent for aldehydes
4-Dimethylaminoazobenzene, indicator, Reag. Ph. Eur. I (C. I. No. 11020, S. No. 28)
4-Dimethylaminobenzaldehyde, R. G., Reag. ACS, Reag. Ph. Eur. I
5-(4-Dimethylaminobenzylidene)-rhodanine, R. G.
4-Dimethylaminocinnamic aldehyde, R. G.
5-Dimethylaminonaphthalenesulphonyl-1-chloride (DANSYL-chloride)
Dimethylglyoxime, R. G., Reag. ACS
Dimethylglyoxime disodium salt octahydrate, R. G., water soluble

33163 2,6-Dimethylphenol, R.G.
33137 N,N-Dimethyl-p-phenylenediamine dihydrochloride, R. G.
33140 1,3-Dinitrobenzene, R. G., Reag. Ph. Eur. I
33139 3,5-Dinitrobenzoic acid, R. G.
33253 2,4-Dinitrofluorobenzene, R. G.
33145 2,4-Dinitrophenylhydrazine, in proportion 2:1 to water, R. G.
33146 3,5-Dinitrosalicylic acid monohydrate, R. G.
34236 Dioxan/*iso*-butanol, (70:30) clearing fluid for membrane foils-electrophoresis
33149 Diphenylamine, R. G., Reag. ACS, Reag. Ph. Eur. I
33184 N,N'-Diphenylbenzidine, R. G.
33152 Diphenylcarbazide, R. G., Reag. Ph. Eur. I
33153 Diphenylcarbazone, R. G.
33168 Dipicrylamine, R. G., (with 0,5 ml H_2O/g)
33156 Dithiol, R. G.
33154 Dithizone, R. G., Reag. Ph. Eur. I
32752 Eriochrome cyanine, R. G. (C. I. No. 43820, S. No. 840)
33202 Fast blue salt B
33210 Fast red salt B, R.G.
32615 Fluorescein, R. G. *for determination of chloride, bromide, iodide colour change: green fluorescent—pink*
33265 4-Fluorobenzoic acid, test substance for elementary analysis
33259 4-Fluorophenol, R.G.
30108 Fluorosilicic acid, 31% R. G.
33220 Formaldehyde solution, 35% by weight, R. G., Reag. ACS stabilized with about 10'p methanol
33197 Formaldoxime, R. G. (abt. 15% solution in diethyl ether)
33015 Formic acid, 98—100%, R. G., Reag. ACS, Reag. Ph. Eur. I
33219 Furfural, (Furfurol) R. G., Reag. Ph. Eur. I
33198 α-Furildioxime, R. G.
33226 Glycine, R. G., buffer substance
33255 Glyoxal-bis-(2-hydroxyanil), R. G.
34612 Hexachloroplatinic(IV)acid solution, 5%, R. G.
33233 Hexamethylenetetramine, R. G., Reag. Ph. Eur. I
33248 Homovanillinic acid, R. G.
33235 Hydrazinium sulphate, R. G., Reag. ACS
33234 Hydrindantin dihydrate, R. G.
30311 Hydriodic acid, min. 67% R. G.
30330 Hydriodic acid, 57% R. G., stabilized with hypophosphorous acid
30204 Hydrobromic acid, about 48% R. G., Reag. ACS, Reag. ISO
30721 Hydrochloric acid, min. 37% R. G., Reag. ISO, Reag. Ph. Eur. I
30720 Hydrochloric acid, 32%, R. G.
30723 Hydrochloric acid, min. 25% R. G.
30719 Hydrochloric acid
30107 Hydrofluoric acid, 48% R. G., Reag. ACS, Reag. ISO
30103 Hydrofluoric acid, 40% R. G., Reag. ISO, Reag. Ph. Eur. I
33236 Hydroxylammonium chloride, R. G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I

33262 Hydroxylammonium chloride, R.G., for determination of mercury, Reag. ACS, Reag. ISO, Reag. Ph. Eur. I
33237 Hydroxylammonium sulphate, R. G.
33199 8-Hydroxyquinaldine, R. G.
32502 8-Hydroxyquinoline, R. G., Reag. ACS
32504 8-Hydroxyquinoline, test substance for elementary analysis
30420 Hypophosphorous acid, 50% R. G.
32718 Indigo, R. G. synthetic (Indigotin)
32667 Indigo carmine, R. G. powder (C. I. No. 73015, S. No. 1309)
33318 Indole, R. G.
33750 INT, [2-(p-Iodophenyl)-3-(p-nitrophenyl)-5-phenyltetrazolium chloride]
30308 Iodic acid, R. G., Reag. Ph. Eur. I
30305 Iodine, R. G., Reag. ACS, Reag. Ph. Eur. I
30306 Iodine pentoxide, granular for flue-gas analysis
32503 7-Iodo-8-hydroxyquinoline-5-sulphonic acid, R. G.
31231 Iron, R. G., made by reduction
31243 Iron, R. G. wire, 0,2 mm∅
31228 Iron, R. G. wire, 0,57 mm ∅
31232 Iron(III) chloride-6-hydrate, cryst. R. G., Reag. ACS, Reag. Ph. Eur. I
31226 Iron(II) chloride-4-hydrate, R. G.
31233 Iron(III) nitrate-9-hydrate, R. G., Reag. ACS
31234 Iron(III) oxide, R. G., standard titrimetric substance
31235 Iron(III) sulphate, R. G.
31236 Iron(II) sulphate-7-hydrate, R. G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I
31239 Iron(II) sulphide, sticks for preparing hydrogen sulphide
33319 Isatin, R. G.
33322 Kalignost®, (Sodium tetraphenylborate/boron) R. G. Reag. ACS
33333 Kojic acid, R. G.
31820 Lanthanum chloride-7-hydrate, R. G.
31617 Lanthanum nitrate-6-hydrate, R. G., Reag. Ph. Eur. I
31819 Lanthanum(III) oxide, for atom-spectroscopy
31132 Lead, R. G. foil, Reag. ACS
31133 Lead, R. G., granular, for the filling of reductors, Reag. ACS
32306 Lead acetate, basic for sugar analysis according to Horne, Reag. ACS
32307 Lead acetate trihydrate, R. G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I
31205 Lead chromate, millet-size R. G.
31320 Lead diethyl dithiocarbamate, R. G.
31137 Lead(II) nitrate, R. G., Reag. ACS, Reag. Ph. Eur. I
31142 Lead(IV) oxide, (max. 0,0005% Mn) R. G.
31150 Lead(II,IV) oxide, R. G.
31138 Lead(II) oxide, R. G., Reag. Ph. Eur. I
31485 Lithium carbonate, R. G., Reag ACS
31407 Lithium chloride, R. G
31406 Lithium hydroxide-1-hydrate, R. G

31500 Lithium perchlorate, R.G.
31486 Lithium sulphate-1-hydrate, R. G
31499 Lithium tetraborate, anhydrous for X-ray fluorescence analysis
31488 Lithium tetraborate, R. G., anhydrous
32316 Magnesium acetate tetrahydrate, R. G., Reag. ACS
31413 Magnesium chloride-6-hydrate, R. G., Reag. ACS, Reag. ISO
31412 Magnesium hydroxide carbonate, R. G. light
31415 Magnesium nitrate-6-hydrate, R. G., Reag. ACS
31416 Magnesium nitride, R. G. for the determination of water in fuels containing alcohol according to Dietrich and Conrad
31417 Magnesium oxide, R. G.
31418 Magnesium oxide, R. G. (max. 0,001 % SO_4)
31420 Magnesium sulphate-6-hydrate, R. G.
32317 Manganese(II) acetate tetrahydrate, R. G.
31421 Manganese(II) carbonate, R. G.
31422 Manganese(II) chloride-4-hydrate, R. G.
31423 Manganese(II) nitrate-4-hydrate, R. G.
31425 Manganese(II) sulphate-1-hydrate, R. G., Reag. ACS, Reag. Ph. Eur. I
33440 D(-)-Mannitol, R. G.
33403 2-Mercaptobenzothiazole, R. G.
31002 Mercury, R. G., Reag. Ph. Eur. I
31003 Mercury(II) acetate, R. G., Reag. ACS, Reag. Ph. Eur. I
31012 Mercury(II) bromide, R. G., Reag. ACS, Reag. Ph. Eur. I
31004 Mercury(I) chloride, (calomel) R. G., Reag. ACS, Reag. Ph. Eur. I
31005 Mercury(II) chloride, (sublimed) R. G., Reag. ACS, Reag. Ph. Eur. I
31006 Mercury(I) nitrate-2-hydrate, R. G.
31008 Mercury(II) oxide, red R. G., Reag. ACS
31009 Mercury(II) oxide, yellow R. G., Reag. ACS, Reag. Ph. Eur. I
33460 Methyl thymol blue
31427 Molybdenum(VI) oxide, R. G.
33413 Morin, R. G. (C. I. No. 75660, S. No. 1366)
33751 MTT, (Dimethylthiazolyldiphenyltetrazolium bromide)
33414 Murexide, for complexometry (C. I. No. 56085, S. No. 1138)
33420 Naphthol-(1), R. G., Reag. Ph. Eur. I
33422 Naphthol-(2), R. G., Reag. Ph. Eur. I
33464 Naphthol-(1)-benzein, R. G., Reag. Ph. Eur. I
33417 β-Naphthoquinoline, R. G. (Naphthine)
33426 Naphthylamine-(1), R. G., Reag. Ph. Eur. I
33461 N-(1-Naphthyl)-ethylenediammonium dichloride, R. G.
33473 Neocupferron, R. G.
33466 Neocuproin, R. G.
33467 Neocuproin hydrochloride, R. G.
31462 Nickel chloride-6-hydrate, R. G.
31483 Nickel sulphate-6-hydrate, R. G., Reag. ACS
31472 Nickel(II) acetate tetrahydrate, R. G.
33437 Ninhydrin, R. G.
30710 Nitric acid, min. 65%, R. G. for determinations with dithizone, Reag. ISO, Reag. Ph. Eur. I
30709 Nitric acid, min. 65%, R. G., Reag. ISO, Reag. Ph. Eur. I
30713 Nitric acid, min. 65% R. G., for determination of mercury, Reag. ISO, Reag. Ph. Eur. I
33474 Nitrin, R. G. (2-Aminobenzaldehyde phenylhydrazone)
33480 2-Nitroaniline, R.G.
33481 4-Nitroaniline, R.G.
33439 2-Nitrobenzaldehyde, R. G.
33442 4-(4-Nitrobenzeneazo)-(1)-naphthol, R. G.
33468 4-(4-Nitrobenzyl)-pyridine, R. G.
33753 Nitro-BT, (Nitro-blue tetrazolium chloride)
33443 Nitron, R. G., reagent for nitric acid
33444 2-Nitrophenol, R. G.
33477 2-Nitrophenol-4-arsonic acid, R. G.
33449 4-Nitrophenylhydrazine, R. G.
33469 4-Nitropyrocatechol, R. G.
33478 4-Nitroso-N,N-dimethylaniline, R. G.
33453 1-Nitrosonaphthol-(2), R. G.
33451 2-Nitrosonaphthol-(1), R. G.
33479 Nitroso R salt, R. G. (1-nitroso-2-naphthol-3,6-disulphonic acid disodium salt)
33752 NTC, (Neotetrazolium chloride)
33506 Oxalic acid dihydrate, R. G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I
33504 Oxalic acid-bis-(cyclohexylidene hydrazide), R. G.
30755 Perchloric acid, 70%, R. G., Reag. ISO, Reag. Ph. Eur. I
30750 Perchloric acid, 70% R. G. for determination of mercury, Reag. ISO, Reag. Ph. Eur. I
30754 Perchloric acid, 60%, R. G. Reag. ISO
31642 PERDROGEN®, R.G. (30% by weight H_2O_2 ≙ 100 by volume oxygen) (hydrogen peroxide) Reag. Ph. Eur. I
30325 *ortho*-Periodic acid, R. G.
33510 1,10-Phenanthroline, R. G.
33515 1,10-Phenanthrolinium chloride, R. G., Reag. Ph. Eur. I
33517 Phenol, R. G., Reag. ACS
33520 Phenylarsonic acid, R. G.
33524 Phenyl *iso*-cyanate, R. G.
33528 1-Phenyl-2,3-dimethyl-4-aminopyrazolon-(5), R. G.
33521 1,3-Phenylenediammonium dichloride, R. G.
33598 Phenylfluoron, R. G.
33554 Phenylhydrazinium chloride, R. G., Reag. Ph. Eur. I
33529 Phloroglucinol dihydrate, R. G., Reag. Ph. Eur. I
34611 Phloroglucinol solution, spirituous DAB 6 (2 g/100 g)
31426 Phosphomolybdic acid, R. G.
30417 *ortho*-Phosphoric acid, 85%, R. G., Reag. ACS, Reag. ISO, Ph. Eur. I
30419 Phosphorus(V) oxide, R. G., Reag. ACS, Reag. Ph. Eur. I
33503 Phthaldialdehyde, R. G.
33534 Phthalic acid, R. G.
33600 Picric acid, R. G., Reag. Ph. Eur. I (with 0,5 ml H_2O/g)
33536 Picrolonic acid, R. G.
33537 Piperidine, R. G., Reag. Ph.
32309 Potassium acetate, R. G.
31242 Potassium aluminium sulph hydrate, R. G., Reag. ACS
30205 Potassium bromate, R. G., F ACS, Reag. Ph. Eur. I
30206 Potassium bromide, R. G., F ACS, Reag. Ph. Eur. I
31245 Potassium carbonate, R. G.
31262 Potassium carbonate—sodi carbonate, R. G., powder
31247 Potassium chlorate, R. G., F ACS, Reag. Ph. Eur. I
31249 Potassium chloride, R. G. (r 0,005% Br)
31248 Potassium chloride, R. G., F ISO, Reag. Ph. Eur. I
31250 Potassium chromate, R. G., ACS, Reag. Ph. Eur. I
31246 Potassium chromium sulph hydrate, R. G., Reag. ACS
31252 Potassium cyanide, R. G., F ACS, Reag. ISO, Reag. Ph.
31255 Potassium dichromate, R. G Reag. ACS, Reag. ISO, Rea Eur. I
32334 Potassium dihydrogen citra R. G., buffer substance
30407 Potassium dihydrogen pho R. G., buffer substance, Re ACS, Reag. ISO, Reag. Ph.
31269 Potassium disulphate, R. G
31268 Potassium disulphite, R. G.
30104 Potassium fluoride, R. G.
31625 Potassium fluorotitanate(IV
31254 Potassium hexacyanoferrat hydrate, R. G., Reag. ACS, ISO, Reag. Ph. Eur. I
31253 Potassium hexacyanoferrat R. G., Reag. ACS, Reag. IS Reag. Ph. Eur. I
31149 Potassium hexahydroxoantimonate(V Reag. Ph. Eur. I
31259 Potassium hydrogen carbo R. G., Reag. Ph. Eur. I
30327 Potassium hydrogen diioda R. G.
33325 Potassium hydrogen phtha R. G., buffer substance, Re ISO, Reag. Ph. Eur. I
31261 Potassium hydrogen sulph R. G., fused
31260 Potassium hydrogen sulph R. G., Reag. Ph. Eur. I
32331 Potassium hydrogen tartra R. G., buffer substance
30603 Potassium hydroxide, R. G pellets
30614 Potassium hydroxide, R. G pellets (max. 0,002% Na) F ACS, Reag. ISO
30522 Potassium hydroxide solut 28,5%, for flue-gas analys
30314 Potassium iodate, R. G., R ACS, Reag. ISO, Reag. Ph
30315 Potassium iodide, R. G., R ISO, Reag. Ph. Eur. I
31263 Potassium nitrate, R. G., R ACS, Reag. ISO, Reag. Ph
31303 Potassium nitrite, R. G., cr
32313 Potassium oxalate monoh R. G., Reag. ACS
31265 Potassium perchlorate, R. Reag. ACS
31318 Potassium permanganate, for determination of merc
31404 Potassium permanganate, Reag. ACS, Reag. Ph. Eur.

6 Potassium peroxodisulphate, R. G.
5 Potassium peroxodisulphate, R. G. (max. 0,001 % N)
1 Potassium polysulphide, R. G., granular
2 Potassium sodium tartrate tetrahydrate, R. G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I
0 Potassium sulphate, R. G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I
3 Potassium tellurite, for bacteriology
9 Potassium tetroxalate dihydrate, R. G., buffer substance
6 Potassium tetroxoiodate(VII), R. G.
2 Potassium thiocyanate, R. G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I
3 Potassium xanthate, R. G.
3 Pyridine, R. G., Reag. ACS, Reag. Ph. Eur. I
9 1-(2-Pyridylazo)naphthol-(2) (PAN) indicator for metal titration
0 4-(2-Pyridylazo)-resorcinol monosodium salt (PAR), indicator for metal titration
1 Pyrocatechol, R. G., Reag. Ph. Eur. I
1 Quinaldic acid, R. G.,
2 Quinhydrone, R. G., Reag. Ph. Eur. I
1 Reinecke salt, R. G.
2 Resorcinol, R. G., Reag. Ph. Eur. I
4 Rhodamine B, R. G. and for microscopy (C. I. No. 45170, S. No. 864)
6 Rubeanic acid, R. G. (dithiooxamide)
8 Rubin S concentrated, R. G. for analyse and microscopy, reagent on aldehydes (C. I. No. 42685, S. No. 800)
8 Salicylaldoxime, R. G.
4 Semicarbazide hydrochloride, R. G.
8 Silver diethyldithiocarbamate, R. G., Reag. Ph. Eur. I
0 Silver nitrate, R. G., Reag. Ph. Eur. I
3 Silver nitrate solution, R. G. 5%
7 Silver perchlorate
4 Silver sulphate, R. G.
1 Silver wool, for elementary analysis
9 Sodium, lumps, R. G., Reag. ACS, Reag. Ph. Eur. I
9 Sodium acetate, anhydrous R. G.
8 Sodium acetate trihydrate, R. G., Reag. ACS, Reag. ISO, Reag Ph. Eur. I
9 Sodium ammonium hydrogen phosphate, R. G.
2 Sodium carbonate, anhydrous, R. G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I
1 Sodium carbonate-10-hydrate, R. G., Reag. ISO, Reag. Ph. Eur. I
2 Sodium chlorate, R. G.
4 Sodium chloride, R. G., Reg. Ph. Eur. I
0 *tri*-Sodium citrate dihydrate, R. G., Reag. ISO, Reag. Ph. Eur. I
5 Sodium dichromate-2-hydrate, R. G.
6 Sodium diethylbarbiturate, R. G., buffer substance
5 Sodium diethyldithiocarbamate trihydrate, R. G.

30411 *tetra*-Sodium diphosphate-10-hydrate, R. G.
31448 Sodium disulphite, R. G. dry, Reag. Ph. Eur. I
31487 Sodium dithionite, R. G. (so-called sodium hydrosulphite)
30105 Sodium fluoride, R. G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I,
32321 Sodium formate, R. G.
31296 Sodium hexanitrocobaltate(III), R. G., Reag. ACS
31437 Sodium hydrogen carbonate, R. G. powder, Reag. ACS, Reag. Ph. Eur. I
30412 *di*-Sodium hydrogen phosphate-2-hydrate, R. G., buffer substance
30427 *di*-Sodium hydrogen phosphate, R. G., buffer substance, Reag. ACS
30413 *di*-Sodium hydrogen phosphate-7-hydrate, R. G., Reag. ACS
30414 *di*-Sodium hydrogen phosphate-12-hydrate, R. G., Reag. ISO, Reag. Ph. Eur. I
31438 Sodium hydrogen sulphate-1-hydrate, R. G.
30615 Sodium hydroxide, R. G., pellets (max. 0,0002% K)
30620 Sodium hydroxide, R. G., pellets, Reag. ACS, Reag. Ph. Eur. I
30531 Sodium hydroxide solution, 32% R. G., for the determination of nitrogen (max. 0,0005% N)
30410 Sodium hypophosphite-1-hydrate R. G., Reag. Ph. Eur. I
31439 Sodium molybdate-2-hydrate, R. G. Reag. Ph. Eur I
33429 Sodium naphthoquinone-(1,2)-sulphonate-(4), R. G., reagent for amino acids according to Folin
31440 Sodium nitrate, R. G., Reag. ACS, Reag. ISO
31443 Sodium nitrite, R. G., cryst., Reag. ACS, Reag. Ph. Eur. I
31444 Sodium nitroprusside, R. G., Reag. ACS, Reag. Ph. Eur. I
32322 Sodium oxalate, R. G.
31445 Sodium peroxide, R. G., granular, Reag. ACS
33138 *di*-Sodium phenylphosphate dihydrate, R. G., for the determination of phosphatase
33432 Sodium rhodizonate, R. G.
31493 Sodium salicylate, R. G.
31619 Sodium selenite, R. G.
31481 Sodium sulphate, R. G. exsiccated, Reag. ACS, Reag. ISO, Reag. Ph. Eur. I
31449 Sodium sulphate-10-hydrate, R. G.
31495 Sodium sulphide-5-hydrate, R. G.
31454 Sodium sulphite, R. G. dry
31453 Sodium sulphite-7-hydrate, R. G.
32323 Sodium tartrate, R. G.
31498 Sodium tetraborate, anhydrous for X-ray fluorescence analysis
31456 Sodium tetraborate-4-hydrate, R. G.
31457 Sodium tetraborate-10-hydrate, R. G., buffer substance, Reag. ACS, Reag. Ph. Eur. I
30323 Sodium tetroxoiodate(VII), R. G., Reag. ACS, Reag. Ph. Eur. I
31459 Sodium thiosulphate-5-hydrate, R. G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I
31620 Sodium trioxobismuthate(V), R. G.
31621 Sodium tungstate-2-hydrate, R. G.
33615 Starch, R. G. soluble

33616 Starch, R. G. soluble according to Zulkowsky
34117 Starch solution, ready-for-use in saturated salt solution
31632 Strontium chloride-6-hydrate, R. G.
31633 Strontium nitrate, R. G., Reag. ACS
33057 Succinic acid, R. G.
32765 Sudan (III), R. G., Reag. Ph. Eur. I (C. I. No. 26100)
33618 Sulphanilic acid, R. G., Reag. Ph. Eur. I
33619 5-Sulphosalicylic acid dihydrate, R. G. and for metal titration, Reag. ACS
34622 Sulphur dioxide, watery solution 5—6% SO_2 R. G.
30743 Sulphuric acid, 95—97%, R. G., Reag ISO, Reag. Ph. Eur. I
30741 Sulphuric acid, R. G., 95—97% for determination of mercury, Reag. ISO, Reag. Ph. Eur. I
30736 Sulphuric acid, fuming, with about 20% SO_3, R. G., Reag. ACS
33801 L(+)-Tartaric acid, R. G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I
33767 3,3',5,5'-Tetrabromophenolphthalein ethyl ester potassium salt, R. G.
33712 Tetrahydrofurfuryl alcohol, R. G.
33714 1,2,5,8-Tetrahydroxyanthraquinone, R. G.
33748 1,4-Tetrahydroxybenzoquinone dihydrate, R. G.
33711 Tetramethylsilane, gauging substance for NMR
33758 Tetraphenylarsonium chloride monohydrate, R. G.
33760 1-[Thenoyl-(2')]-3,3,3-trifluoroacetone, R. G.
33721 Thioacetamide, R. G., Reag. Ph. Eur. I
33765 2-Thiobarbituric acid, R. G., for sorbic acid determination
33747 2,2-Thiodiethanol, (Thiodiglycol) R. G.
33718 Thionalide, R. G. (thioglycollic acid-[β-naphthyl]-amide)
33720 Thiosemicarbazide, R. G.
33717 Thiourea, R. G., Reag. Ph. Eur. I
33745 Thorin, R. G. [2-(2-hydroxy-3,6-disulphonic-1-naphthaleneazo) phenylarsonic acid, disodium salt]
31686 Thorium nitrate-5-hydrate, R. G. plastic bottle of 50 g
31666 Tin, R. G. granulated
31655 Tin(II) chloride-2-hydrate, R. G., for determination of mercury
31669 Tin(II) chloride-2-hydrate, R. G., Reag. ACS, Reag. Ph. Eur. I
33724 Tiron, R. G. and for metal titration
33725 Titan yellow, R. G., Reag. Ph. Eur. I (C. I. No. 19540, S. No. 280)
33726 o-Tolidine hydrochloride, R. G.
36118 p-Toluidine, for the determination of hydroxymethylfurfurol according to Winkler (4-Methylaniline)
33731 Trichloroacetic acid, R. G., Reag. ACS
33729 Triethanolamine, for metal titration
33732 2,3,5-Triphenyltetrazolium chloride) TTC, R. G., testing agent for the power of germinating of seeds, Reag. Ph. Eur. I
33764 Triphenyltin chloride, R. G.
33762 α,α',α''-Tripyridyl, R. G.

33742 Tris-(hydroxymethyl)-aminomethane, R. G., buffer substance

33744 Tris-(hydroxymethyl)-aminomethane hydrochloride, R.G.

33757 2,4,6-Tris-(2'-pyridyl)-s-triazine (TPTZ), R. G.

31648 Tungstophosphoric acid, R. G.

31647 Tungstosilicic acid, R. G.

31698 Uranyl acetate dihydrate, R. G. plastic bottle of 25 g

31636 Uranyl acetate dihydrate, R. G. plastic bottle of 100 g

31697 Uranyl acetate dihydrate, R.G. plastic bottle of 10 g

31638 Uranyl nitrate-6-hydrate, R. G. plastic bottle of 100 g

31696 Uranyl nitrate-6-hydrate, R. G., Reag. ACS plastic bottle of 25 g

33247 Urea, R. G., Reag. ACS

33828 Xanthydrol, R. G.

31664 Zinc, R. G., fine powder (zinc dust) Reag. Ph. Eur. I

31651 Zinc, R. G., finely granulated

31677 Zinc, R. G., flaky

31653 Zinc, R. G., granulated, Reag. ACS, Reag. Ph. Eur. I

31657 Zinc, R.G., sticks of 6 mm Ø

32325 Zinc acetate dihydrate, R. G.

31650 Zinc chloride, R. G., Reag. A Reag. ISO, Reag. Ph. Eur. I

31663 Zinc oxide, R. G., Reag. ACS

31665 Zinc sulphate-7-hydrate, R. G Reag. ACS, Reag. ISO, Reag Eur. I

33826 Zincon, R. G. for the photom determination of copper and

31670 Zirconium oxide chloride-8-hydrate, R. G.

1.2. Ready-for-use preparations for analysis

32804 Alkali blue solution, DIN 51558/559, for testing lubricants (Neutralization and saponification numbers)

36001 Aufrecht's reagent, for quantitative albumen determination

36007 Benedict's reagent, for the qualitative determination of sugar

36005 Benedict's reagent, for the quantitative determination of sugar

31605 Carbon monoxide absorbent, absorbente for absorption of carbon monoxide out of gas compounds

36060 Copper(I) chloride solution, for absorption of carbon oxide according to Orsat

36069 Denigès' reagent, for acetone

31821 Disintegrating mixture, for nitrogen determination

36052 Dragendorff's reagent, on alcaloides

36013 Ehrlich's diazo reagent, for execution of the diazo reaction according to DAB 6 Solution B: Sulphanilic acid solution

36015 Ehrlich's diazo reagent, for execution of the diazo reaction according to DAB 6 Solution A: Sodium nitrite solution

36016 Ehrlich's solution, DAB 6, reagent for urobilinogen

36017 Esbach's solution, reagent for proteins

31610 Eschka's mixture, R. G.

36018 Fehling's solution, for the determination of sugar, Reag. Ph. Eur. I

36115 Fischer, reagent solution according to Karl Fischer, for titrimetric determination of water in one solution Iodine-sulphur dioxide-pyridine-solution (1 ml ≙ 5 mg H_2O)

36116 Fischer, reagent solution according to Karl Fischer, for titrimetric determination of water in two separate solutions Solution A: Pyridine-sulphur dioxide-solution (0,5 ml each of solutions A and B mixed are equivalent to min. 3 mg H_2O)

36117 Fischer, reagent solution according to Karl Fischer, for titrimetric determination of water in two separate solutions Solution B: Methanolic iodine solution (0,5 ml each of solutions A and B mixed are equivalent to min. 3 mg H_2O)

36070 Folin-Denis reagent, for colorimetric detection of uric acid

36022 Folin-Denis reagent, for phenols

34800 HYDRANAL® solvent, solvents for modified Karl Fischer titration

34802 HYDRANAL® standard methanol, of 5,00 mg water/ml

34803 HYDRANAL® standard sodium tartrat, sodium tartrat dihydrate of 15,66 % ± 0,05 % water

34801 HYDRANAL® titrant, titration medium for modified Karl Fischer titration

34618 Hydrochloric acid-alcohol, (0,75 % hydrochloric acid in ethanol 60 % by weight)

34573 Magnesia mixture, R. G., for the determination of phosphoric acid

36048 Mayer's reagent, Reag. Ph. Eur. I

36051 Millon's reagent, on proteines

36053 Nessler's reagent, for the determination of ammonium salts (potassium mercury(II) iodide solution)

36057 Nylander's solution, reagent for detection of glucose

36058 Obermayer's solution, DAB 6 for detection of indican

31604 Oxygen absorbent 2,5 molar absorbent on base of chromium(II) chloride for ox determination in the gas ana

36011 Picric acid solution, 1,2 %

30520 Potassium hydroxide solutio 47 % for the absorption of c dioxide according to Knippi

30521 Potassium hydroxide solutio 50 % for the absorption of c dioxide according to Orsat

36063 Pyrogallol solution, 25 %, fo absorption of oxygen accor to Orsat o(Before use one v of pyrogallol solution has to mixed with 5 volumes of potassium hydroxide solutio

36078 Schlesinger's reagent, for u

36090 Selenium mixture, for the q determination of nitrogen according to Wieninger

36028 Solution according to Günzt DAB 6 Solution A: Phloroglu solution, ethanolic

36029 Solution according to Günzt DAB 6 Solution B: Vanillin solution, ethanolic

36081 Splittgerber's reagent, for t determination of phosphate

30740 Sulphuric acid, chem. pure, about 15 % phosphorus pentoxide, R. G., for the determination of nitrogen according to Kjeldahl

30728 Sulphuric acid, 40 %, accor Knipping, for the determina of the metabolism of gas

30771 Sulphuric acid, 90—91 %, fo determination according to Gerber and determination c nitrates in milk

36084 Töpfer's reagent, for hydro acid in gastric juice (0,5 % ethanolic dimethylaminoazobenzene solution)

34226 Vanadate molybdate reage the determination of phosp

34627 Vanadium sulphuric acid

1.3. Organic reagents for inorganic analysis

1.3.1. Aluminium

33005 Acetylacetone

33010 Alizarin S *pH range yellow 4,3—6,3 violet for determination of ironcyanide, molybdate, zirconium, fluoride colour change: yellow—pink*

32612 Alizarin (C. I. No. 58000, S. No. 1141)

33016 2-Aminobenzoic acid

33085 Arsenazo I

33035 Aurin tricarboxylic acid ammonium salt

33047 Benzoic acid

33054 N-Benzoyl-N-phenylhydroxylamine

33264 Calcon®

33176 Chloranilic acid

33108 Chrome azurol S *for determination of fluoride c change: pink—reddish-viole*

4	Cupferron				
52	Eriochrome cyanine	32503	7-Iodo-8-hydroxyquinoline-5-sulphonic acid	33714	1,2,5,8-Tetrahydroxyanthraquinone
33	Hexamethylenetetramine	33460	Methyl thymol blue	33760	1-[Thenoyl-(2')]-3,3,3-trifluoroacetone
02	8-Hydroxyquinoline	33413	Morin	33825	Xylenol orange, tetrasodium salt
19	IDRANAL® III	33579	1-(2-Pyridylazo)naphthol-(2) (PAN)		
38	IDRANAL® IV	33057	Succinic acid		

.2. Ammonium

22	Kalignost®	33481	4-Nitroaniline		

.3. Antimony

75	Crystal violet	32745	Malachite green	32610	Safranin T *EO at pH 7 —0,29 volt, rH 4—7,5*
89	Curcumin	32678	Methyl violet 6 B	31628	Silver diethyldithiocarbamate
93	o-Dianisidine	33413	Morin	31465	Sodium diethyldithiocarbamate trihydrate
90	Diethylammonium diethyldithiocarbamate	33598	Phenylfluoron	33721	Thioacetamide
56	Dithiol	33579	1-(2-Pyridylazo)naphthol-(2) (PAN)	33718	Thionalide
54	Dithizone	32672	Pyrocatechol violet	33717	Thiourea
02	8-Hydroxyquinoline	32634	Rhodamine B		

3.4. Arsenic

156	Dithiol	34549	IDRANAL® III	33718	Thionalide
531	Ferroin solution *EO in H_2SO_4 1 mol/l + 1,06 volt*	31628	Silver diethyldithiocarbamate		

3.5. Barium

549	IDRANAL® III	33432	Sodium rhodizonate	33748	1,4-Tetrahydroxybenzoquinone dihydrate

3.6. Beryllium

005	Acetylacetone	33189	Curcumin	33619	5-Sulphosalicylic acid dihydrate
035	Aurin tricarboxylic acid ammonium salt	32752	Eriochrome cyanine	33714	1,2,5,8-Tetrahydroxyanthraquinone
047	Benzoic acid	33199	8-Hydroxyquinaldine	33760	1-[Thenoyl-(2')]-3,3,3-trifluoroacetone
108	Chrome azurol S *for determination of fluoride colour change: pink—reddish-violet*	32502	8-Hydroxyquinoline	33745	Thorin
		34549	IDRANAL® III	33761	Trioctylphosphine oxide
344	Cupferron	33413	Morin	33825	Xylenol orange, tetrasodium salt
		31493	Sodium salicylate		

3.7. Bismuth

047	Benzoic acid	34549	IDRANAL® III	31465	Sodium diethyldithiocarbamate trihydrate
091	Bismuthiol I dipotassium salt	33403	2-Mercaptobenzothiazole	33758	Tetraphenylarsonium chloride monohydrate
344	Cupferron	33417	β-Naphthoquinoline	33760	1-[Thenoyl-(2')]-3,3,3-trifluoroacetone
190	Diethylammonium diethyldithiocarbamate	33506	Oxalic acid dihydrate	33721	Thioacetamide
133	Dimethylglyoxime	33510	1,10-Phenanthroline	33718	Thionalide
134	Dimethylglyoxime disodium salt octahydrate	33600	Picric acid	33717	Thiourea
156	Dithiol	33579	1-(2-Pyridylazo)naphthol-(2) (PAN)	33745	Thorin
154	Dithizone	33580	4-(2-Pyridylazo)-resorcinol monosodium salt (PAR)	33825	Xylenol orange, tetrasodium salt
502	8-Hydroxyquinoline	32672	Pyrocatechol violet		
		33606	Rubeanic acid		

3.8. Boron

010	Alizarin S *pH range yellow 4,3—6,3 violet for determination of ironcyanide, molybdate, zirconium, fluoride colour change: yellow—pink*	33111	Chromotropic acid	33510	1,10-Phenanthroline
		33189	Curcumin	33714	1,2,5,8-Tetrahydroxyanthraquinone
		33194	1,1'-Dianthrimide	33758	Tetraphenylarsonium chloride monohydrate
		33440	D(-)-Mannitol		
337	Carminic acid	33413	Morin		

1.3.9. Cadmium

33005 Acetylacetone
33016 2-Aminobenzoic acid
32304 Ammonium oxalate
33155 2,2'-Bipyridine
33185 Cadion
33344 Cupferron
33190 Diethylammonium diethyldithiocarbamate
33152 Diphenylcarbazide
33156 Dithiol
33154 Dithizone
32502 8-Hydroxyquinoline
34549 IDRANAL® III
34588 IDRANAL® IV
34596 IDRANAL® VI
33403 2-Mercaptobenzothiazole
33417 β-Naphthoquinoline
33477 2-Nitrophenol-4-arsonic acid
33506 Oxalic acid dihydrate
33510 1,10-Phenanthroline
33553 Pyridine
33579 1-(2-Pyridylazo)naphthol-(2)
33101 Quinaldic acid
33601 Reinecke salt
31465 Sodium diethyldithiocarbamate trihydrate
33758 Tetraphenylarsonium chloride monohydrate
33721 Thioacetamide
33718 Thionalide
33717 Thiourea

1.3.10. Calcium

32612 Alizarin (C. I. No. 58000, S. No. 1141)
32304 Ammonium oxalate
33086 Arsenazo III
33035 Aurin tricarboxylic acid ammonium salt
33170 Calcein
33264 Calcon®
33843 Cellulose HYPHAN
33176 Chloranilic acid
32751 Eriochrome black T
34531 Ferroin solution *EO in H_2SO_4 1 mol/l + 1,06 volt*
33255 Glyoxal-bis-(2-hydroxyanil)
32502 8-Hydroxyquinoline
34549 IDRANAL® III
34588 IDRANAL® IV
34596 IDRANAL® VI
32503 7-Iodo-8-hydroxyquinoline-5-sulphonic acid
33460 Methyl thymol blue
33414 Murexide
33506 Oxalic acid dihydrate
33536 Picrolonic acid
33580 4-(2-Pyridylazo)-resorcinol monosodium salt (PAR)
33432 Sodium rhodizonate
33760 1-[Thenoyl-(2')]-3,3,3-trifluoroacetone

1.3.11. Cerium

33086 Arsenazo III
33035 Aurin tricarboxylic acid ammonium salt
33344 Cupferron
34531 Ferroin solution *EO in H_2SO_4 1 mol/l + 1,06 volt*
32502 8-Hydroxyquinoline
32723 Methylene blue *EO at pH 7 + 0,01 volt, rH 13,5—15,5*
33510 1,10-Phenanthroline
33515 1,10-Phenanthrolinium chloride
33760 1-[Thenoyl-(2')]-3,3,3-trifluoroacetone
33726 o-Tolidine hydrochloride
33766 Tributyl phosphate

1.3.12. Cesium

33107 Caesignost®
33322 Kalignost®

1.3.13. Chlorate

33029 Aniline
34531 Ferroin solution *EO in H_2SO_4 1 mol/l + 1,06 volt*
33443 Nitron
33726 o-Tolidine hydrochloride

1.3.14. Chlorine

33176 Chloranilic acid
33137 N,N-Dimethyl-p-phenylenediamine dihydrochloride
33153 Diphenylcarbazone *for determination of cyanide colour change: red—blue-violet*
33154 Dithizone
33553 Pyridine
33725 Titan yellow
33726 o-Tolidine hydrochloride

1.3.15. Chromium

33005 Acetylacetone
33108 Chrome azurol S *for determination of fluoride colour change: pink—reddish-violet*
33111 Chromotropic acid
33193 o-Dianisidine
33152 Diphenylcarbazide
34531 Ferroin solution *EO in H_2SO_4 1 mol/l + 1,06 volt*
33199 8-Hydroxyquinaldine
32502 8-Hydroxyquinoline
33760 1-[Thenoyl-(2')]-3,3,3-trifluoroacetone
33761 Trioctylphosphine oxide

1.3.16. Cobalt

33005 Acetylacetone
33016 2-Aminobenzoic acid
33843 Cellulose HYPHAN
33190 Diethylammonium diethyldithiocarbamate
33133 Dimethylglyoxime
33134 Dimethylglyoxime disodium salt octahydrate
33156 Dithiol
33154 Dithizone
34531 Ferroin solution *EO in H_2SO_4 1 mol/l + 1,06 volt*
32502 8-Hydroxyquinoline
34539 IDRANAL® I
34540 IDRANAL® II
34549 IDRANAL® III
34596 IDRANAL® VI
33417 β-Naphthoquinoline

153 1-Nitrosonaphthol-(2)
151 2-Nitrosonaphthol-(1)
179 Nitroso R salt
506 Oxalic acid dihydrate
553 Pyridine
579 1-(2-Pyridylazo)naphthol-(2) (PAN)

33580 4-(2-Pyridylazo)-resorcinol monosodium salt (PAR)
32634 Rhodamine B
33606 Rubeanic acid
31465 Sodium diethyldithiocarbamate trihydrate

33758 Tetraphenylarsonium chloride monohydrate
33760 1-[Thenoyl-(2')]-3,3,3-trifluoroacetone
33721 Thioacetamide
33766 Tributyl phosphate
33762 α,α',α''-Tripyridyl

3.17. Copper

005 Acetylacetone
016 2-Aminobenzoic acid
035 Aurin tricarboxylic acid ammonium salt
087 Bathocuproin
088 Bathocuproin disulphonic acid disodium salt
049 α-Benzoinoxime
054 N-Benzoyl-N-phenylhydroxylamine
155 2,2'-Bipyridine
091 Bismuthiol I dipotassium salt
843 Cellulose HYPHAN
344 Cupferron
188 Cuproin
190 Diethylammonium diethyldithiocarbamate
132 5-(4-Dimethylaminobenzylidene)-rhodanine
133 Dimethylglyoxime

33152 Diphenylcarbazide
33153 Diphenylcarbazone *for determination of cyanide colour change: red—blue-violet*
33154 Dithizone
32502 8-Hydroxyquinoline
34539 IDRANAL® I
34540 IDRANAL® II
34588 IDRANAL® IV
34596 IDRANAL® VI
31320 Lead diethyl dithiocarbamate
33403 2-Mercaptobenzothiazole
33460 Methyl thymol blue
33473 Neocupferron
33466 Neocuproin
33467 Neocuproin hydrochloride
33453 1-Nitrosonaphthol-(2)
33504 Oxalic acid-bis-(cyclohexylidene hydrazide)

33510 1,10-Phenanthroline
33553 Pyridine
33579 1-(2-Pyridylazo)naphthol-(2) (PAN)
33580 4-(2-Pyridylazo)-resorcinol monosodium salt (PAR)
32672 Pyrocatechol violet
33101 Quinaldic acid
33606 Rubeanic acid
33608 Salicylaldoxime
31465 Sodium diethyldithiocarbamate trihydrate
33760 1-[Thenoyl-(2')]-3,3,3-trifluoroacetone
33718 Thionalide
33720 Thiosemicarbazide
33726 o-Tolidine hydrochloride
33729 Triethanolamine
33825 Xylenol orange, tetrasodium salt
33826 Zincon

3.18. Cyanide

224 Chloramine T
176 Chloranilic acid
132 5-(4-Dimethylaminobenzylidene)-rhodanine

33133 Dimethylglyoxime
34531 Ferroin solution *EO in H_2SO_4 1 mol/l + 1,06 volt*

33515 1,10-Phenanthrolinium chloride
33553 Pyridine

3.19. Fluoride

010 Alizarin S *pH range yellow 4,3—6,3 violet for determination of ironcyanide, molybdate, zirconium, fluoride colour change: yellow—pink*
082 3-Aminomethylalizarin-N,N-diacetic acid dihydrate

33035 Aurin tricarboxylic acid ammonium salt
33108 Chrome azurol S *for determination of fluoride colour change: pink—reddish-violet*
33111 Chromotropic acid
32752 Eriochrome cyanine

32502 8-Hydroxyquinoline
32503 7-Iodo-8-hydroxyquinoline-5-sulphonic acid
33414 Murexide
33619 5-Sulphosalicylic acid dihydrate
33764 Triphenyltin chloride

3.20. Gallium

005 Acetylacetone
612 Alizarin (C. I. No. 58000, S. No. 1141)
035 Aurin tricarboxylic acid ammonium salt
741 Brilliant green
264 Calcon®
337 Carminic acid
675 Crystal violet
344 Cupferron

33190 Diethylammonium diethyldithiocarbamate
32752 Eriochrome cyanine
32502 8-Hydroxyquinoline
34540 IDRANAL® II
34549 IDRANAL® III
32745 Malachite green
33413 Morin
33579 1-(2-Pyridylazo)naphthol-(2) (PAN)

33580 4-(2-Pyridylazo)-resorcinol monosodium salt (PAR)
32672 Pyrocatechol violet
32634 Rhodamine B
31465 Sodium diethyldithiocarbamate trihydrate
33714 1,2,5,8-Tetrahydroxyanthraquinone
33825 Xylenol orange, tetrasodium salt

3.21. Germanium

194 1,1'-Dianthrimide
153 Diphenylcarbazone *for determination of cyanide colour change: red—blue-violet*
156 Dithiol

32502 8-Hydroxyquinoline
33413 Morin
33417 β-Naphthoquinoline
33469 4-Nitropyrocatechol

33598 Phenylfluoron
33714 1,2,5,8-Tetrahydroxyanthraquinone

1.3.35. Nickel

33016 2-Aminobenzoic acid
33155 2,2'-Bipyridine
33843 Cellulose HYPHAN
33118 1,2-Cyclohexanedionedioxime
33190 Diethylammonium diethyldithiocarbamate
33133 Dimethylglyoxime
33134 Dimethylglyoxime disodium salt octahydrate
33154 Dithizone
33198 α-Furildioxime
32502 8-Hydroxyquinoline
34539 IDRANAL® I
34549 IDRANAL® III
34596 IDRANAL® VI
34588 IDRANAL® IV
33453 1-Nitrosonaphthol-(2)
33510 1,10-Phenanthroline
33553 Pyridine
33579 1-(2-Pyridylazo)naphthol-(2) (PAN)
33580 4-(2-Pyridylazo)-resorcinol monosodium salt (PAR)
33606 Rubeanic acid
31465 Sodium diethyldithiocarbamate trihydrate
33760 1-[Thenoyl-(2')]-3,3,3-trifluoroacetone
33721 Thioacetamide
33720 Thiosemicarbazide
33825 Xylenol orange, tetrasodium

1.3.36. Niobium

33010 Alizarin S *pH range yellow 4,3—6,3 violet for determination of ironcyanide, molybdate, zirconium, fluoride colour change: yellow—pink*
33034 L(+)-Ascorbic acid
33054 N-Benzoyl-N-phenylhydroxylamine
33111 Chromotropic acid
33344 Cupferron
32767 Eriochrome blue-black B
32502 8-Hydroxyquinoline
33460 Methyl thymol blue
33413 Morin
33520 Phenylarsonic acid
33598 Phenylfluoron
33539 Propanol-(2)
33579 1-(2-Pyridylazo)naphthol-(2) (PAN)
33580 4-(2-Pyridylazo)-resorcinol monosodium salt (PAR)
32101 Pyrocatechol
32672 Pyrocatechol violet
31465 Sodium diethyldithiocarbamate trihydrate
33619 5-Sulphosalicylic acid dihydr
33714 1,2,5,8-Tetrahydroxyanthraquinone
33758 Tetraphenylarsonium chloride monohydrate
33760 1-[Thenoyl-(2')]-3,3,3-trifluoroacetone
33724 Tiron
33825 Xylenol orange, tetrasodium

1.3.37. Nitrate

33111 Chromotropic acid
33163 2,6-Dimethylphenol
33149 Diphenylamine
33259 4-Fluorophenol
33426 Naphthylamine-(1)
33461 N-(1-Naphthyl)-ethylenediammonium dichloride
33443 Nitron
31493 Sodium salicylate
33618 Sulphanilic acid

1.3.38. Nitrite

33426 Naphthylamine-(1)
33474 Nitrin
33618 Sulphanilic acid

1.3.39. Osmium

33016 2-Aminobenzoic acid
33152 Diphenylcarbazide
33580 4-(2-Pyridylazo)-resorcinol monosodium salt (PAR)
33606 Rubeanic acid
33758 Tetraphenylarsonium chloride monohydrate
33718 Thionalide
33717 Thiourea

1.3.40. Palladium

33155 2,2'-Bipyridine
33091 Bismuthiol I dipotassium salt
33118 1,2-Cyclohexanedionedioxime
33158 5-(4-Diethylaminobenzylidene)-rhodanine
33132 5-(4-Dimethylaminobenzylidene)-rhodanine
33133 Dimethylglyoxime
33134 Dimethylglyoxime disodium salt octahydrate
33154 Dithizone
34531 Ferroin solution *EO in H_2SO_4 1 mol/l + 1,06 volt*
33198 α-Furildioxime
32502 8-Hydroxyquinoline
34539 IDRANAL® I
33403 2-Mercaptobenzothiazole
33478 4-Nitroso-N,N-dimethylaniline
33453 1-Nitrosonaphthol-(2)
33451 2-Nitrosonaphthol-(1)
33479 Nitroso R salt
33515 1,10-Phenanthrolinium chloride
33579 1-(2-Pyridylazo)naphthol-(2) (PAN)
33580 4-(2-Pyridylazo)-resorcinol monosodium salt (PAR)
33101 Quinaldic acid
33606 Rubeanic acid
33608 Salicylaldoxime
31465 Sodium diethyldithiocarbamate trihydrate
33760 1-[Thenoyl-(2')]-3,3,3-trifluoroacetone
33718 Thionalide
33717 Thiourea
33825 Xylenol orange, tetrasodium

1.3.41. Perchlorate

32741 Brilliant green
32675 Crystal violet
32745 Malachite green
32723 Methylene blue *EO at pH 7 + 0,01 volt, rH 13,5—15,5*
33443 Nitron
33758 Tetraphenylarsonium chlori monohydrate

3.42. Phosphate

017	1-Amino-2-hydroxy-4-naphthalenesulphonic acid	33178	Chloranilic acid lanthanum salt	32502	8-Hydroxyquinoline
034	L(+)-Ascorbic acid	34531	Ferroin solution *EO in H_2SO_4 1 mol/l + 1,06 volt*	32610	Safranin T *EO at pH 7 –0,29 volt, rH 4–7,5*

3.43. Platinum

016	2-Aminobenzoic acid	33154	Dithizone	33758	Tetraphenylarsonium chloride monohydrate
112	Cinchonine hydrochloride dihydrate	32502	8-Hydroxyquinoline	33718	Thionalide
190	Diethylammonium diethyldithiocarbamate	33403	2-Mercaptobenzothiazole	33720	Thiosemicarbazide
132	5-(4-Dimethylaminobenzylidene)-rhodanine	33606	Rubeanic acid		
		31465	Sodium diethyldithiocarbamate trihydrate		

3.44. Potassium

194	1,1'-Dianthrimide	33168	Dipicrylamine	33322	Kalignost®

3.45. Rhenium

133	Dimethylglyoxime	33443	Nitron	33619	5-Sulphosalicylic acid dihydrate
152	Diphenylcarbazide	32610	Safranin T *EO at pH 7 –0,29 volt, rH 4–7,5*	33758	Tetraphenylarsonium chloride monohydrate
156	Dithiol	31465	Sodium diethyldithiocarbamate trihydrate	33717	Thiourea
198	α-Furildioxime				
678	Methyl violet 6 B				

3.46. Rhodium

193	o-Dianisidine	33403	2-Mercaptobenzothiazole	33760	1-[Thenoyl-(2')]-3,3,3-trifluoroacetone
153	Diphenylcarbazone *for determination of cyanide colour change: red–blue-violet*	33478	4-Nitroso-N,N-dimethylaniline	33765	2-Thiobarbituric acid
156	Dithiol	33453	1-Nitrosonaphthol-(2)	33718	Thionalide
502	8-Hydroxyquinoline	33579	1-(2-Pyridylazo)naphthol-(2) (PAN)		
540	IDRANAL® II	31465	Sodium diethyldithiocarbamate trihydrate		

3.47. Rubidium

194	1,1'-Dianthrimide	33322	Kalignost®

3.48. Ruthenium

3005	Acetylacetone	33460	Methyl thymol blue	33718	Thionalide
3016	2-Aminobenzoic acid	33510	1,10-Phenanthroline	33717	Thiourea
3089	Bathophenanthrolin	33515	1,10-Phenanthrolinium chloride	33825	Xylenol orange, tetrasodium salt
2502	8-Hydroxyquinoline	33606	Rubeanic acid		

3.49. Scandium

3010	Alizarin S *pH range yellow 4,3–6,3 violet for determination of ironcyanide, molybdate, zirconium, fluoride colour change: yellow–pink*	33035	Aurin tricarboxylic acid ammonium salt	32502	8-Hydroxyquinoline
				33413	Morin
		33337	Carminic acid	33714	1,2,5,8-Tetrahydroxyanthraquinone
		33255	Glyoxal-bis-(2-hydroxyanil)		

3.50. Selenium

3034	L(+)-Ascorbic acid	33154	Dithizone	31465	Sodium diethyldithiocarbamate trihydrate
3091	Bismuthiol I dipotassium salt	32723	Methylene blue *EO at pH 7 + 0,01 volt, rH 13,5–15,5*	33717	Thiourea
3194	1,1'-Dianthrimide				
3190	Diethylammonium diethyldithiocarbamate				

1.3.51. Silver

33016 2-Aminobenzoic acid
33155 2,2'-Bipyridine
33111 Chromotropic acid
32675 Crystal violet
33158 5-(4-Diethylaminobenzylidene)-rhodanine
33190 Diethylammonium diethyldithiocarbamate
33132 5-(4-Dimethylaminobenzylidene)-rhodanine
33133 Dimethylglyoxime
33156 Dithiol
33154 Dithizone
32502 8-Hydroxyquinoline
34549 IDRANAL® III
33322 Kalignost®
33403 2-Mercaptobenzothiazole
33453 1-Nitrosonaphthol-(2)
33510 1,10-Phenanthroline
33553 Pyridine
33606 Rubeanic acid
31465 Sodium diethyldithiocarbamate trihydrate
33718 Thionalide
33720 Thiosemicarbazide

1.3.52. Sodium

31697 Uranyl acetate dihydrate
31698 Uranyl acetate dihydrate
31636 Uranyl acetate dihydrate

1.3.53. Strontium

33176 Chloranilic acid
33536 Picrolonic acid
33432 Sodium rhodizonate

1.3.54. Sulphate

33010 Alizarin S *pH range yellow 4,3—6,3 violet for determination of ironcyanide, molybdate, zirconium, fluoride colour change: yellow—pink*
33177 Chloranilic acid barium salt trihydrate
33137 N,N-Dimethyl-p-phenylenediamine dihydrochloride
33152 Diphenylcarbazide
33432 Sodium rhodizonate
33714 1,2,5,8-Tetrahydroxyanthraquinone
33748 1,4-Tetrahydroxybenzoquino dihydrate
33745 Thorin

1.3.55. Sulphide

33137 N,N-Dimethyl-p-phenylenediamine dihydrochloride
32307 Lead acetate trihydrate
32723 Methylene blue *EO at pH 7 volt, rH 13,5—15,5*

1.3.56. Tantalum

33054 N-Benzoyl-N-phenylhydroxylamine
32741 Brilliant green
32675 Crystal violet
33344 Cupferron
32502 8-Hydroxyquinoline
32678 Methyl violet 6 B
33413 Morin
33520 Phenylarsonic acid
33598 Phenylfluoron
33580 4-(2-Pyridylazo)-resorcinol monosodium salt (PAR)
32101 Pyrocatechol
32672 Pyrocatechol violet
32634 Rhodamine B

1.3.57. Tellurium

33092 Bismuthiol II
33190 Diethylammonium diethyldithiocarbamate
33154 Dithizone
33553 Pyridine
31465 Sodium diethyldithiocarbamate trihydrate
33758 Tetraphenylarsonium chloride monohydrate
33760 1-[Thenoyl-(2')]-3,3,3-trifluoroacetone
33717 Thiourea

1.3.58. Thallium

33034 L(+)-Ascorbic acid
32741 Brilliant green
32675 Crystal violet
33344 Cupferron
33190 Diethylammonium diethyldithiocarbamate
33168 Dipicrylamine
33154 Dithizone
32502 8-Hydroxyquinoline
34540 IDRANAL® II
34549 IDRANAL® III
33322 Kalignost®
33403 2-Mercaptobenzothiazole
32624 Methyl orange *pH range red 3,1—4,4 yellow-orange*
32678 Methyl violet 6 B
33579 1-(2-Pyridylazo)naphthol-(2) (PAN)
33580 4-(2-Pyridylazo)-resorcinol monosodium salt (PAR)
33601 Reinecke salt
32634 Rhodamine B
33606 Rubeanic acid
31465 Sodium diethyldithiocarbamate trihydrate
33619 5-Sulphosalicylic acid dihyd
33758 Tetraphenylarsonium chlorid monohydrate
33760 1-[Thenoyl-(2')]-3,3,3-trifluoroacetone
33721 Thioacetamide
33718 Thionalide
33717 Thiourea
33726 o-Tolidine hydrochloride
33825 Xylenol orange, tetrasodium

3.59. Thorium

005	Acetylacetone	33344	Cupferron	33536	Picrolonic acid
612	Alizarin (C. I. No. 58000, S. No. 1141)	33153	Diphenylcarbazone *for determination of cyanide colour change: red—blue-violet*	32672	Pyrocatechol violet
010	Alizarin S *pH range yellow 4,3—zirconium, fluoride colour change: yellow—pink*	32751	Eriochrome black T	32782	Quercetin dihydrate
016	2-Aminobenzoic acid	32502	8-Hydroxyquinoline	33101	Quinaldic acid
304	Ammonium oxalate	34549	IDRANAL® III	33714	1,2,5,8-Tetrahydroxyanthraquinone
085	Arsenazo I	32503	7-Iodo-8-hydroxyquinoline-5-sulphonic acid	33760	1-[Thenoyl-(2')]-3,3,3-trifluoroacetone
086	Arsenazo III	33460	Methyl thymol blue	33745	Thorin
035	Aurin tricarboxylic acid ammonium salt	33413	Morin	33766	Tributyl phosphate
047	Benzoic acid	33506	Oxalic acid dihydrate	33762	α,α',α''-Tripyridyl
822	Calmagite	33520	Phenylarsonic acid	33825	Xylenol orange, tetrasodium salt

3.60. Tin

3054	N-Benzoyl-N-phenylhydroxylamine	33413	Morin	33714	1,2,5,8-Tetrahydroxyanthraquinone
2675	Crystal violet	33477	2-Nitrophenol-4-arsonic acid	33758	Tetraphenylarsonium chloride Monohydrate
3344	Cupferron	33520	Phenylarsonic acid	33760	1-[Thenoyl-(2')]-3,3,3-trifluoroacetone
3133	Dimethylglyoxime	33598	Phenylfluoron	33721	Thioacetamide
3153	Diphenylcarbazone *for determination of cyanide colour change: red—blue-violet*	33536	Picrolonic acid	33718	Thionalide
3156	Dithiol	33579	1-(2-Pyridylazo)naphthol-(2) (PAN)	33717	Thiourea
3154	Dithizone	32672	Pyrocatechol violet	33761	Trioctylphosphine oxide
2502	8-Hydroxyquinoline	31465	Sodium diethyldithiocarbamate trihydrate		

3.61. Titanium

3005	Acetylacetone	33111	Chromotropic acid	32101	Pyrocatechol
3010	Alizarin S *pH range yellow 4,3—6,3 violet for determination of ironcyanide, molybdate, zirconium, fluoride colour change: yellow—pink*	33344	Cupferron	32672	Pyrocatechol violet
		32502	8-Hydroxyquinoline	31465	Sodium diethyldithiocarbamate trihydrate
		34549	IDRANAL® III	33619	5-Sulphosalicylic acid dihydrate
3034	L(+)-Ascorbic acid	33460	Methyl thymol blue	33724	Tiron
3054	N-Benzoyl-N-phenylhydroxylamine	33413	Morin	33825	Xylenol orange, tetrasodium salt
		33579	1-(2-Pyridylazo)naphthol-(2) (PAN)		

3.62. Tungsten

3344	Cupferron	32502	8-Hydroxyquinoline	32634	Rhodamine B
3156	Dithiol	33413	Morin	33766	Tributyl phosphate

3.63. Uranium

3005	Acetylacetone	33190	Diethylammonium diethyldithiocarbamate	32782	Quercetin dihydrate
3010	Alizarin S *pH range yellow 4,3—6,3 violet for determination of ironcyanide, molybdate, zirconium, fluoride colour change: yellow—pink*	34531	Ferroin solution *EO in H_2SO_4 1 mol/l + 1,06 volt*	33101	Quinaldic acid
		33255	Glyoxal-bis-(2-hydroxyanil)	32634	Rhodamine B
		32502	8-Hydroxyquinoline	31465	Sodium diethyldithiocarbamate trihydrate
3016	2-Aminobenzoic acid	34540	IDRANAL® II	33619	5-Sulphosalicylic acid dihydrate
3085	Arsenazo I	34549	IDRANAL® III	33714	1,2,5,8-Tetrahydroxyanthraquinone
3086	Arsenazo III	33460	Methyl thymol blue	33760	1-[Thenoyl-(2')]-3,3,3-trifluoroacetone
3034	L(+)-Ascorbic acid	33413	Morin	33745	Thorin
3035	Aurin tricarboxylic acid ammonium salt	33453	1-Nitrosonaphthol-(2)	33724	Tiron
3093	Benzhydroxamic acid	33506	Oxalic acid dihydrate	33766	Tributyl phosphate
3047	Benzoic acid	33515	1,10-Phenanthrolinium chloride	33761	Trioctylphosphine oxide
3264	Calcon®	33579	1-(2-Pyridylazo)naphthol-(2) (PAN)	33825	Xylenol orange, tetrasodium salt
3337	Carminic acid	33580	4-(2-Pyridylazo)-resorcinol monosodium salt (PAR)		
3111	Chromotropic acid				
3344	Cupferron				

1.3.64. Vanadium

33005	Acetylacetone
33093	Benzhydroxamic acid
33049	α-Benzoinoxime
33054	N-Benzoyl-N-phenylhydroxylamine
33344	Cupferron
33193	o-Dianisidine
33133	Dimethylglyoxime
33134	Dimethylglyoxime disodium salt octahydrate
33135	3,3'-Dimethylnaphthidine
33184	N,N'-Diphenylbenzidine
34531	Ferroin solution *EO in H_2SO_4 1 mol/l + 1,06 volt*
33197	Formaldoxime
32502	8-Hydroxyquinoline
32503	7-Iodo-8-hydroxyquinoline-5-sulphonic acid
33413	Morin
33453	1-Nitrosonaphthol-(2)
33515	1,10-Phenanthrolinium chloric
33579	1-(2-Pyridylazo)naphthol-(2) (P
31465	Sodium diethyldithiocarbama trihydrate
33619	5-Sulphosalicylic acid dihydra
33760	1-[Thenoyl-(2')]-3,3,3-trifluoroacetone
33766	Tributyl phosphate

1.3.65. Yttrium

33010	Alizarin S *pH range yellow 4,3—6,3 violet for determination of ironcyanide, molybdate, zirconium, fluoride colour change: yellow—pink*
33085	Arsenazo I
33086	Arsenazo III
32502	8-Hydroxyquinoline
32672	Pyrocatechol violet
33766	Tributyl phosphate
33761	Trioctylphosphine oxide

1.3.66. Zinc

33005	Acetylacetone
33016	2-Aminobenzoic acid
33190	Diethylammonium diethyldithiocarbamate
33122	N,N-Diethylaniline
33135	3,3'-Dimethylnaphthidine
33154	Dithizone
32502	8-Hydroxyquinoline
34539	IDRANAL® I
34549	IDRANAL® III
34588	IDRANAL® IV
34596	IDRANAL® VI
33333	Kojic acid
33413	Morin
33600	Picric acid
33579	1-(2-Pyridylazo)naphthol-(2) (PAN)
32672	Pyrocatechol violet
33101	Quinaldic acid
33602	Resorcinol
31465	Sodium diethyldithiocarbama trihydrate
33758	Tetraphenylarsonium chloride monohydrate
33760	1-[Thenoyl-(2')]-3,3,3-trifluoroacetone
33717	Thiourea
33825	Xylenol orange, tetrasodium
33826	Zincon

1.3.67. Zirconium

32612	Alizarin (C. I. No. 58000, S. No. 1141)
33010	Alizarin S *pH range yellow 4,3—6,3 violet for determination of ironcyanide, molybdate, zirconium, fluoride colour change: yellow—pink*
33085	Arsenazo I
33086	Arsenazo III
33094	4-Bromomandelic acid
33337	Carminic acid
33176	Chloranilic acid
33344	Cupferron
32502	8-Hydroxyquinoline
34549	IDRANAL® III
33413	Morin
33453	1-Nitrosonaphthol-(2)
33451	2-Nitrosonaphthol-(1)
33520	Phenylarsonic acid
33598	Phenylfluoron
33554	Phenylhydrazinium chloride
33534	Phthalic acid
33579	1-(2-Pyridylazo)naphthol-(2) (P
32672	Pyrocatechol violet
32782	Quercetin dihydrate
33714	1,2,5,8-Tetrahydroxyanthraquinone
33760	1-[Thenoyl-(2')]-3,3,3-trifluoroacetone
33761	Trioctylphosphine oxide
33825	Xylenol orange, tetrasodium

1.4. Solutions for analysis see under 3.

1.5. FIXANAL®-preparations and volumetric solutions

1.5.1. FIXANAL® for 1 L volumetric solution

38050	0,1 mol Acetic acid
38051	1 mol Acetic acid
38020	0,1 mol Ammonium thiocyanate
38030	0,1 mol Barium chloride
38040	0,05 mol Bromine
38272	0,01 mol Hydrochloric acid
38289	1/28 mol Hydrochloric acid
38285	0,5 mol Hydrochloric acid
38280	0,1 mol Hydrochloric acid
38282	1 mol Hydrochloric acid
38287	0,2 mol Hydrochloric acid
38055	IDRANAL® A
38056	IDRANAL® B
38057	0,1 mol IDRANAL® III
38061	0,05 mol Iodine
38064	1/128 mol Iodine
38065	0,005 mol Iodine
38060	0,05 mol Iodine
38047	0,1 mol Iron(II) sulphate
38146	0,1 mol Magnesium sulphate
38270	0,1 mol Nitric acid
38274	1 mol Nitric acid
38255	0,05 mol Oxalic acid
38250	0,05 mol Oxalic acid
38080	1/60 mol Potassium bromate
38090	0,1 mol Potassium bromide
38100	1/60 mol Potassium dichromate
38073	1 mol Potassium hydroxide solution
38070	0,1 mol Potassium hydroxide solution
38120	1/60 mol Potassium iodate
38110	0,1 mol Potassium iodide
38136	1/500 mol Potassium permanganate
38130	1/50 mol Potassium permang
38140	0,1 mol Potassium thiocyanat
38310	0,1 mol Silver nitrate
38311	0,5 mol Silver nitrate
38170	0,05 mol Sodium carbonate
38180	0,1 mol Sodium chloride

227 0,01 mol Sodium hydroxide solution
226 0,025 mol Sodium hydroxide solution
222 1/28 mol Sodium hydroxide solution
217 0,5 mol Sodium hydroxide solution
215 1 mol Sodium hydroxide solution

38210 0,1 mol Sodium hydroxide solution
38224 0,2 mol Sodium hydroxide solution
38223 0,25 mol Sodium hydroxide solution
38200 0,1 mol Sodium thiosulphate
38243 0,01 mol Sodium thiosulphate

38150 0,05 mol Sodium *meta*-arsenite
38308 0,005 mol Sulphuric acid
38306 1/56 mol Sulphuric acid
38295 0,25 mol Sulphuric acid
38294 0,5 mol Sulphuric acid
38290 0,05 mol Sulphuric acid
38343 0,1 mol Zinc sulphate

5.2. FIXANAL® for preparation of standard solutions of cations and anions

805 10,00 g Aluminium
815 10,00 g Antimony
820 10,00 g Arsenic
825 10,00 g Barium
835 10,00 g Bromide
840 10,00 g Cadmium
845 10,00 g Calcium
850 10,00 g Chloride
855 10,00 g Chromium

38870 10,00 g Cobalt
38875 10,00 g Copper
38880 10,00 g Copper
38860 10,00 g Iron
38830 10,00 g Lead
38885 10,00 g Magnesium
38890 10,00 g Manganese
38915 10,00 g Mercury

38900 10,00 g Nickel
38905 10,00 g Nickel
38910 10,00 g Phosphate
38865 10,00 g Potassium
38895 10,00 g Sodium
38935 10,00 g Sulphate
38945 10,00 g Zinc
38950 10,00 g Zinc

5.3. FIXANAL® for atomic absorption

5.3.1. Water-soluble products

600 0,100 g Aluminium
550 1,00 g Aluminium
630 0,100 g Antimony
551 1,00 g Antimony
615 0,100 g Arsenic
552 1,00 g Arsenic
601 0,100 g Barium
553 1,00 g Barium
631 0,100 g Beryllium
554 1,00 g Beryllium
619 0,100 g Bismuth
580 1,00 g Bismuth
603 0,100 g Cadmium
556 1,00 g Cadmium
604 0,100 g Calcium
558 1,00 g Calcium
628 0,100 g Cesium
557 1,00 g Cesium
616 0,100 g Chromium
559 1,00 g Chromium
607 0,100 g Cobalt
563 1,00 g Cobalt
608 0,100 g Copper

38564 1,00 g Copper
38625 0,100 g Gold
38561 1,00 g Gold
38605 0,100 g Iron
38560 1,00 g Iron
38602 0,100 g Lead
38555 1,00 g Lead
38623 0,100 g Lithium
38565 1,00 g Lithium
38609 0,100 g Magnesium
38566 1,00 g Magnesium
38610 0,100 g Manganese
38567 1,00 g Manganese
38624 0,100 g Mercury
38571 1,00 g Mercury
38632 0,100 g Molybdenum
38568 1,00 g Molybdenum
38612 0,100 g Nickel
38570 1,00 g Nickel
38606 0,100 g Potassium
38562 1,00 g Potassium
38629 0,100 g Rubidium
38572 1,00 g Rubidium

38633 0,100 g Selenium
38573 1,00 g Selenium
38627 0,100 g Silicon
38575 1,00 g Silicon
38626 0,100 g Silver
38574 1,00 g Silver
38611 0,100 g Sodium
38569 1,00 g Sodium
38613 0,100 g Strontium
38576 1,00 g Strontium
38634 0,100 g Thallium
38577 1,00 g Thallium
38621 0,100 g Tin
38583 1,00 g Tin
38617 0,100 g Titanium
38578 1,00 g Titanium
38581 1,00 g Tungsten
38620 0,100 g Tungsten
38618 0,100 g Vanadium
38579 1,00 g Vanadium
38614 0,100 g Zinc
38582 1,00 g Zinc
38622 0,100 g Zirconium

5.3.2. Petrol ether-soluble products

666 0,100 g *organo*-Barium
651 0,100 g *organo*-Cadmium
652 0,100 g *organo*-Calcium
653 0,100 g *organo*-Chromium
656 0,100 g *organo*-Cobalt
657 0,100 g *organo*-Copper
654 0,100 g *organo*-Iron

38667 0,100 g *organo*-Lanthanum
38650 0,100 g *organo*-Lead
38658 0,100 g *organo*-Lithium
38659 0,100 g *organo*-Magnesium
38660 0,100 g *organo*-Manganese
38665 0,100 g *organo*-Mercury

38668 0,100 g *organo*-Molybdenum
38662 0,100 g *organo*-Nickel
38655 0,100 g *organo*-Potassium
38661 0,100 g *organo*-Sodium
38663 0,100 g *organo*-Vanadium
38664 0,100 g *organo*-Zinc

5.4. FIXANAL® for steel-works laboratories

062 1/64 mol Iodine *for the determination of sulphur in iron 1 ml ≙ 0,01 % S, using a 5 g sample*
202 1/32 mol Sodium thiosulphate *for the determination of sulphur in iron 1 ml ≙ 0,01 % S, using a 5 g sample*

38218 1/6,745 mol Sodium hydroxide solution *for the determination of phosphorus in iron 1 ml ≙ 0,01 % P, using 2 g samples*
38299 1/13,49 mol Sulphuric acid *for the determination of phosphorus in iron 1 ml ≙ 0,01 % P, using 2 g sample*

38021 0,500 g Arsenic(III) oxide + 1,5 g Sodium hydrogen carbonate *for determination of manganese in iron according to H. P. Smith*

1.5.5. FIXANAL® bulk packages

38283 10 mol Hydrochloric acid
38281 2 mol Hydrochloric acid
38214 10 mol Sodium hydroxide solution
38212 2 mol Sodium hydroxide solution
38292 5 mol Sulphuric acid
38291 1,0 mol Sulphuric acid

1.5.6. FIXANAL® buffers

1.5.6.1. for 500 ml ready-for-use solution

38740 Buffer pH 1,00
38741 Buffer pH 2,00
38742 Buffer pH 3,00
38743 Buffer pH 4,00
38744 Buffer pH 5,00
38745 Buffer pH 6,00
38746 Buffer pH 7,00
38747 Buffer pH 8,00
38748 Buffer pH 9,00
38749 Buffer pH 10,00
38750 Buffer pH 11,00
38751 Buffer pH 12,00
38752 Buffer pH 13,00

1.5.6.2. for 1 L ready-for-use- solution

38785 Buffer pH 7,2

1.5.7. FIXANAL® buffers for amino acid analysis according to Stein and Moore

Each package contains about 2 L of concentrate which on dilution to 10 L yields a ready-for-use buffer solution of the given pH and concentration

38695 Buffer pH 2,20 (0,20 N)
38696 Buffer pH 3,25 (0,20 N)
38691 Buffer pH 3,28 (0,20 N)
38692 Buffer pH 4,25 (0,20 N)
38693 Buffer pH 4,26 (0,38 N)
38694 Buffer pH 5,28 (0,35 N)

1.5.8. Volumetric solutions

35050 Barium hydroxide solution 0,05 mol/l
35066 Cerium(IV) sulphate solution 0,1 mol/l
35335 Hydrochloric acid 0,1 mol/l
35329 Hydrochloric acid 0,5 mol/l
35328 Hydrochloric acid 1 mol/l
35086 Indigo solution *1 ml ≙ 0,001 g N_2O_5*
35089 Iodine solution 0,5 mol I_2/l *1 ml ≙ 0,001 g N_2O_5*
35097 Iodine solution acc. to Hanus 0,1 mol IBr/l *according to Hanus*
35071 Iodine solution acc. to Wijs 0,1 mol ICl/l *according to Wijs*
35090 Iodine solution 0,05 mol I_2/l
35202 Lactic acid solution 1 mol/l
35295 Oxalic acid solution 0,5 mol/l
35157 Potassium chromate solution $^1/_{30}$ mol/l
35127 Potassium hydroxide solution 0,1 mol/l in ethanol
35115 Potassium hydroxide solution 0,5 mol/l in ethanol
35112 Potassium hydroxide solution 1 mol/l in ethanol
35179 Potassium palmitate solution 0,1 mol/l *according to Blacher*
35186 Potassium permanganate solution 0,02 mol/l
35184 Potassium permanganate solution 0,2 mol/l
35375 Silver nitrate solution 0,1 mol/l
35377 Silver nitrate solution $^1/_{35,5}$ mol/l
35366 Soap solution *according to Boutron and Boudet*
35368 Soap solution *according to Clark*
35370 Soap solution *according to Pellet*
35263 Sodium hydroxide solution 0,1 mol/l
35261 Sodium hydroxide solution 0,2 mol/l
35260 Sodium hydroxide solution 0,25 mol/l
35257 Sodium hydroxide solution 0,5 mol/l
35256 Sodium hydroxide solution 1 mol/l
35254 Sodium hydroxide solution 2 mol/l
35245 Sodium thiosulphate solut 0,1 mol/l
35244 Sodium thiosulphate solut 1 mol/l
35358 Sulphuric acid 0,05 mol/l
35357 Sulphuric acid 0,1 mol/l
35355 Sulphuric acid 0,25 mol/l
35354 Sulphuric acid 0,5 mol/l

1.6. IDRANAL®, reagents for complexometry

1.6.1. Reagents and reagent solutions for metal titrations

34539 IDRANAL® I, (Nitrilotriacetic acid) R. G.
34540 IDRANAL® II, (Ethylenediaminetetraacetic acid) R. G.
34549 IDRANAL® III, (Ethylenediaminetetraacetic acid disodium salt) R. G. Reag. Ph. Eur. I
38057 0,1 mol IDRANAL® III, FIXANAL®
34550 IDRANAL® III solution 0,1 mol/l, 0,1 M solution of Ethylenediaminetetraacetic acid, disodium salt, for metal titration, volumetric solution Ph. Eur. I
34588 IDRANAL® IV, (1,2-Diaminocyclohexanetetraacetic acid) R. G.
34589 IDRANAL® V, (Diethylenetriaminepentaacetic acid) R. G.
34596 IDRANAL® VI R. G., [Ethylene Glylolbis-(2 amine ethyl ether-) N,N,N',N'-tetraacetate]
34543 IDRANAL® 100, IDRANAL® III solution for water hardness determination, 1 ml ≙ 1 German degree of hardness in 100 ml of water
38055 IDRANAL® A, FIXANAL® (1 ml ready-for-use solution ≙ 5,6 German degrees of hardness in 100 ml of water) for the preparation of 1 L ready-for-use solution
38056 IDRANAL® B, FIXANAL® (ready-for-use solution ≙ German degree of hardne 100 ml of water) for the preparation of 1 L ready-f solution
34547 IDRANAL® A solution, IDI III solution with zinc comp added for water hardness determination, 1 ml ≙ 5,6 German degrees of hardn 100 ml of water
34544 IDRANAL® B solution, IDI III solution with zinc comp added for water hardness determination, 1 ml ≙ 1 (degree of hardness in 10(water

4542 IDRANAL® C solution, IDRANAL® III solution with zinc complex added for water hardness determination with the measuring tube H DIN 12812, 3,73 ml ≙ 20 German degrees of hardness in 40 ml of water

33350 Magnesium-IDRANAL®, (Ethylenediaminetetraacetic acid, dipotassium magnesium salt) R. G.

34553 Zinc-IDRANAL®, (Ethylenediaminetetraacetic acid, disodium zinc salt) R. G.

1.6.2. Indicators for metal titration see 1.8.3.

1.7. PESTANAL®, high purity pesticides and solvents for residue analysis

1.7.1. PESTANAL® solvents see 3.4.

1.7.2. PESTANAL® substances

35874 Alachlor
35700 Aldrin
35817 Alodane
35837 4-Aminophenol
35701 Amitrole
35845 Anilazine
35702 Atrazin
35820 Azinphos-ethyl
35821 Azinphos-methyl
35703 Binapacryl
35800 Biphenyl
35834 4-Bromoaniline
35704 7-Bromo-5-chloro-8-hydroxyquinoline
35885 Bromofenoxime
35838 Bromophos-ethyl
35839 Bromophos-methyl
35804 Bromopyrazone
35705 Buturon
35846 Captafol
35706 Captan
35709 Carbaryl
35879 Carbendazime (BCM)
35898 Carboxine
35873 Chinomethionate
35892 p-Chloranil
35890 Chlorfenvinphos mixture of *cis*and *trans*-isomers
35752 Chloridazone
35824 3-Chloroaniline
35823 4-Chloroaniline
35776 Chlorobenside
35847 Chlorodimeform
35848 Chlorodimeform hydrochloride
35708 Chlorofensone
35833 4-Chloro-2-methylphenol
35841 Chlorooxuron
35826 4-Chlorophenol
35876 Chlorophenprop-methyl
35791 Chloropropham
35899 Chlorothalmethyl
35707 Chlorothiamide
35788 Chlorotoluron
35805 Cycluron
35715 2,4-D
35887 Dazomet
35774 2,4-DB
35771 4,4'-DBP
35769 4,4'-DDA
35844 2,4'-DDD
35768 4,4'-DDD (TDE)
35878 2,4'-DDE
35766 4,4'-DDE
35807 4,4'-DDM
35818 4,4'-DDMU
35792 4,4'-DDOH
35723 4,4'-DDT
35724 2,4'-DDT
35888 Demeton-S-methylsulfon
35849 Desmetryn
35850 Diallate
35851 Diazinon
35877 Dibrom
35710 Dicamba
35725 Dichlobenil
35891 Dichlofenthion
35852 Dichloran
35829 2,4-Dichloroaniline
35827 3,4-Dichloroaniline
35775 1,4-Dichlorobenzene
35831 3,4-Dichloronitrobenzene
35811 2,4-Dichlorophenol
35835 2,5-Dichlorophenol
35711 Dichlorophos (DDVP)
35717 Dichloroprop
35718 Dichloroprop-methyl ester
35719 Dieldrin
35900 Dienochlor
35778 Dimefox
35720 Dimethoat
35781 Dinobuton
35767 Dinoseb
35712 Dinoseb acetate
35889 Disulfoton
35721 Diuron
35716 2,4-D-methyl ester
35713 DNOC
35722 Dodin
35793 Endosulphan (α + β = 2 + 1)
35794 Endosulphan alcohol
35795 Endosulphan ether
35796 Endosulphan lactone
35777 Endosulphan sulphate
35726 α-Endosulphane
35727 β-Endosulphane
35728 Endrin
35893 Ethion
35853 Fenchlorphos
35822 Fenitrothione
35773 Fenson
35729 Fentine acetate
35883 Fentine chloride
35884 Fentine hydroxide
35786 Fenuron
35787 Fluomethuron
35730 Fluorenol
35797 Fluorenol-methyl ester
35803 Folpet
35901 Fonophos
35854 Formetanate hydrochloride
35810 Genite
35772 HCB
35809 α-HCH
35842 β-HCH
35843 δ-HCH
35731 Heptachloro
35770 Heptachloro epoxide
35812 Hexachlorophene
35798 2-Hydroxybiphenyl
35903 Indolyl-3-acetic acid
35902 4-(3-Indolyl)-butyric acid
35732 Ioxynil
35904 Kelevan
35733 Keltan (Dicofol)
35905 Lenacile
35734 Lindane
35735 Linuron
35736 Malathion
35801 Maleic hydrazide
35737 MCPA
35738 MCPA-methyl ester
35739 MCPB
35740 MCPB-methyl ester
35741 Mecoprop
35742 Mecoprop-methyl ester
35783 Medinoterb acetate
35855 Methidiathion
35856 Methoprotryne
35789 Methoxuron
35743 Methoxychloro
35806 Metobromuron
35894 Mevinphos
35744 Monolinuron
35819 Monuron
35825 Naphthol-(1)
35745 Naphthyl-(1)-acetic acid
35746 Naphthyl-(1)-acetic acid methyl ester
35785 Neburon
35836 4-Nitrophenol
35906 Oxycarboxine
35840 Paraoxon
35747 Parathion-ethyl
35765 Parathion-methyl
35813 2-PCB
35814 3-PCB
35815 4-PCB
35857 2,2'-PCB
35858 2,3-PCB
35859 2,4-PCB
35860 2,5-PCB
35861 3,4-PCB
35862 3,5-PCB

35816 4,4'-PCB
35863 2,4,5-PCB
35864 3,3',4,4'-PCB
35865 2,2',3,3',4,4',5,5',6,6'-PCB
35895 Pentachloroaniline
35886 Pentachlorobenzene
35799 Pentachlorophenol
35866 Perthane
35748 Phenmedipham
35880 Phenylmercury acetate
35881 Phenylmercury chloride
35749 Piperonyl butoxide
35867 Promecarb
35751 Prometryne
35908 Propachloro
35808 Propazine
35784 Propham (IPC)
35753 Quintozene
35755 Rotenone
35780 Simazine
35897 Succinic acid mono-(2,2-dimethylhydrazide)
35790 Swep
35756 2,4,5-T
35779 TCA
35868 Tecnazene
35907 Telodrine
35869 Terbutryne
35870 Tetrachlorvinphos
35759 Tetradiphon
35782 Tetrasul
35802 Thiabendazole
35757 2,4,5-T-methyl ester
35760 TMTD
35763 2,4,5-TP (Fenoprop)
35764 2,4,5-TP-methyl ester
35871 Triallat
35872 α,2,4-Trichloroacetophenon
35828 2,4,5-Trichloroaniline
35832 2,4,5-Trichlorophenol
35761 Trichlorophon
35875 Trifluralin
35882 Ziram

1.8. Indicators, indicator papers and reagent papers

1.8.1. Indicators for pH-determination

32653 Cresol red *pH range red 0,2—1,8 yellow (1st change) pH range yellow 7,0—8,8 purple (2nd change)*
33900 Tropaeolin 00 *pH-range red 1,0—2,8 yellow*
32607 Metanil yellow *pH range violet-red 1,2—2,3 yellow*
32728 Thymol blue *pH range red 1,2—2,8 yellow (1st change) pH range yellow 8,0—9,6 blue (2nd change)*
32734 p-Xylenol blue *pH range red 1,2—2,8 yellow (1st change) pH range yellow 8,0—9,6 blue (2nd change)*
32652 m-Cresol purple *pH range red 1,2—2,8 yellow (1st change) pH range yellow 7,4—9,0 purple (2nd change)*
33901 Quinaldine red *pH-range colourless 1,4—3,2*
33143 2,6-Dinitrophenol *pH range colourless 1,7—4,4 yellow*
33141 2,4-Dinitrophenol *pH range colourless 2,0—4,7 yellow*
33129 4-Dimethylaminoazobenzene *pH range red 2,9—4,0 yellow*
33902 Ethyl orange *pH-range red 3,0—4,5 orange*
32712 Bromophenol blue *pH range yellow 3,0—4,6 violet*
32711 Bromochlorophenol blue *pH range yellow 3,0—4,6 purple*
33903 Tetrabromophenol blue *pH-range yellow 3,0—5,0 blue*
32651 Congo red *pH range blue 3,0—5,2 red*
32624 Methyl orange *pH range red 3,1—4,4 yellow-orange*
32742 Bromocresol green *pH range yellow 3,8—5,4 blue*
33142 2,5-Dinitrophenol *pH range colourless 4,0—5,8 yellow*
33010 Alizarin S *pH range yellow 4,3—6,3 violet*
32654 Methyl red *pH range red 4,4—6,2 yellow*
33906 Ethyl red *pH-range red 4,5—6,5 yellow*
33445 4-Nitrophenol *pH-range colourless 4,7—7,9 yellow*
32644 Chlorophenol red *pH range yellow 4,8—6,4 red*
28807 Litmus *pH range red 5,0—8,0 blue*
32643 Bromophenol red *pH range yellow 5,2—6,8 purple*
32642 Bromocresol purple *pH range yellow 5,2—6,8 purple*
32714 Bromothymol blue *pH range yellow 6,0—7,6 blue*
32661 Phenol red *pH range yellow 6,4—8,2 red*
33907 Brilliant yellow *pH-range yellow 6,4—9,4 red-orange*
33446 3-Nitrophenol *pH-range colourless 6,6—8,6 yellow*
32660 Neutral red *pH range red 6,8—8,0 yellow EO at pH 7 —0,32 volt, rH 2—4,5*
33605 Rosolic acid *pH-range yellc 6,9—8,0 red*
33424 α-Naphtholphthalein *pH-ra reddish 7,3—8,7 blue*
32652 m-Cresol purple *pH range 1,2—2,8 yellow (1st change range yellow 7,4—9,0 purp change)*
33342 o-Cresolphthalein *pH rang colourless 7,8—9,8 red*
32728 Thymol blue *pH range red 2,8 yellow (1st change) pH yellow 8,0—9,6 blue (2nd c*
32734 p-Xylenol blue *pH range re 2,8 yellow (1st change) pH yellow 8,0—9,6 blue (2nd c*
33908 Phenol violet *pH-range yel. 8,0—10,0 blue-violet*
33518 Phenolphthalein *pH-range colourless 8,2—9,8 red*
33909 Thymol violet *pH-range ye green 9,0—13,0 violet*
33723 Thymolphthalein *pH-range colourless 9,3—10,5 blue*
32601 Alizarin yellow GG *pH rang yellow 10,0—12,1 brownish*
32602 Alizarin yellow R *pH range yellow 10,0—12,1 red-brow*
33912 Tropaeolin 000 No. 1 *pH-ra yellow 11,0—13,0 red*
32663 Tropaeolin 0 *pH range yell 11,1—12,7 orange-brown*
32769 Epsilon blue *pH range orar 12,0—13,0 violet*

1.8.2. Indicators for adsorption titration

33010 Alizarin S *for determination of ironcyanide, molybdate, zirconium, fluoride colour change: yellow—pink*
32642 Bromocresol purple *for determination of bromide, chloride colour change: violet—blue-green*
32712 Bromophenol blue *for determination of halogenide, thiocyanate, thallium, silver colour change: light yellow—blue*
33108 Chrome azurol S *for determination of fluoride colour change: pink—reddish-violet*
32651 Congo red red *for determination of halogenide, thiocyanate colour change: blue—red*
33922 Diiodofluorescein *for determination of chloride, iodide colour change: yellow—pink*
33153 Diphenylcarbazone *for determination of cyanide colour change: red—blue-violet*
32717 Eosin *for determination of bromide, iodide colour change: pink—dark pink*
33203 Erythrosin *for determination of iodide colour change: pink—blue-pink*
32615 Fluorescein *for determination of chloride, bromide, iodide colour change: green fluorescent—pink*
28803 Fluorescein sodium *for determination of chloride, bromide, iodide colour change: green-fluorescent—pink*
33932 4-(4-Nitrophenylazo)-reson
33915 Phenosafranin *for determi of chloride, bromide colou change: red—blue EO at p —0,25 volt*
33923 Rose bengal *for determine iodide colour change: dark blue-pink*
33925 Tartrazine *for determinatic silver with halogenide colc change: colourless—yello*

Indicators for metal titration

Alizarin S	*33153*	Diphenylcarbazone
Aurin tricarboxylic acid ammonium salt	*33154*	Dithizone
AQUANAL® Mixed indicator RH package of 15 g	*32751*	Eriochrome black T
Bromopyrogallol red	*32767*	Eriochrome blue-black B
Calcein	*32752*	Eriochrome cyanine
Calcon®	*33927*	Glycine cresol red
Calconcarboxylic acid	*33255*	Glyoxal-bis-(2-hydroxyanil)
Calmagite	*36818*	Indicator buffer tablets "Riedel"
Carminic acid	*36817*	Indicator buffer tablets "Riedel"
Chrome azurol S	*33333*	Kojic acid
3,3'-Dimethylnaphthidine	*33460*	Methyl thymol blue
Diphenylcarbazide	*33413*	Morin
	33414	Murexide
	32747	Naphthol green B
	33533	Phthalein purple
	33579	1-(2-Pyridylazo)naphthol-(2) (PAN)
	33580	4-(2-Pyridylazo)-resorcinol monosodium salt (PAR)
	32672	Pyrocatechol violet
	32775	Pyrogallol red
	33432	Sodium rhodizonate
	33619	5-Sulphosalicylic acid dihydrate
	33745	Thorin
	33929	Thymolphthalexone
	33724	Tiron
	33825	Xylenol orange, tetrasodium salt
	33826	Zincon

Indicators for redox titration

2,6-Dichlorophenolindophenol sodium salt dihydrate *EO at pH 7 + 0,23 volt*	*33152*	Diphenylcarbazide
Diphenylamine	*34531*	Ferroin solution *EO in H_2SO_4 1 mol/l + 1,06 volt*
Diphenylaminesulphonic acid barium salt *EO in H_2SO_4 1 mol/l + 0,83 volt*	*33317*	Indigo trisulphonate potassium salt *EO at pH 7 —0,07; rH 9,5—12*
Diphenylaminesulphonic acid sodium salt *EO in H_2SO_4 1 mol/l about + 0,83 volt, rH 27—29*	*33914*	Methyl viologen *EO at pH 7 —0,44 volt*
	32723	Methylene blue *EO at pH 7 + 0,01 volt, rH 13,5—15,5*
	33918	α-Naphthoflavon
	32660	Neutral red *EO at pH 7 —0,32 volt, rH 2—4,5*
	33515	1,10-Phenanthrolinium chloride
	33915	Phenosafranin *EO at pH 7 —0,25 volt*
	32610	Safranin T *EO at pH 7 —0,29 volt, rH 4—7,5*
	33719	Thionine *EO at pH 7 + 0,06 volt, rH 15—17*

Indicator solutions

Alkali blue solution, DIN 51558/559, for testing lubricants (Neutralization and saponification numbers)	*34576*	Methyl orange solution, 0,1%, indicator Ph. Eur. I
Cooper's indicator (mixed), for the determination of the hardness of carbonates and carbonic acid in water	*34606*	Phenolphthalein solution, DIN 8106, indicator
Litmus solution, according to Kubel and Tiemann	*34607*	Phenolphthalein solution, 1%, indicator
	34605	Phenolphthalein solution, 2%, indicator
	36083	Tashiro's indicator
	36803	Universal indicator, "Riedel-de Haën" with colour chart and directions for use pH range 3,0—10,0
	36806	Universal indicator, "Riedel-de Haën" with colour chart and directions for use pH range 3,0—10,0
	34558	Zinc iodide-starch solution, R. G., Reag. Ph. Eur. I

Indicator papers and reagent papers

Universal indicator papers

Universal indicator paper ph 0—14, non-bleeding box of 100 strips	*37040*	PANPEHA® Indicator paper pH 0—14, in 24 grades box of 200 strips
Universal indicator paper pH 1—11, roll with about 5 m	*37035*	PEHANAL® Indicator paper pH 1—11, roll with about 5 m
Universal indicator paper pH 1—11 1 refill packing = 2 bags à 3 rolls		
	37037	PEHANAL® Indicator paper pH 1—11 refill packing containing 3 rolls
	37080	POLYPEHA® Indicator paper pH 1—12

Special indicator papers in rolls accuracy up to 0,2 pH units

Special indicator paper pH 0,5—5,5, roll with about 5 m	*37062*	Special indicator paper pH 5,4—7,0 1 refill packing = 2 bags à 3 rolls
Special indicator paper pH 0,5—5,5 1 refill packing = 2 bags à 3 rolls	*37063*	Special indicator paper pH 5,5—9,0, roll with about 5 m
Special indicator paper pH 3,8—5,8, roll with about 5 m	*37064*	Special indicator paper pH 5,5—9,0 1 refill packing = 2 bags à 3 rolls
Special indicator paper pH 3,8—5,8 1 refill packing = 2 bags à 3 rolls	*37065*	Special indicator paper pH 6,4—8,0, roll with about 5 m
Special indicator paper pH 4,0—7,0, roll with about 5 m	*37066*	Special indicator paper pH 6,4—8,0 1 refill packing = 2 bags à 3 rolls
Special indicator paper pH 4,0—7,0 1 refill packing = 2 bags à 3 rolls	*37067*	Special indicator paper pH 7,2—9,7, roll of about 5 m
Special indicator paper pH 5,4—7,0, roll with about 5 m	*37068*	Special indicator paper pH 7,2—9,7 1 refill packing = 2 bags à 3 rolls
	37069	Special indicator paper pH 8,0—10,0, roll with about 5 m
	37070	Special indicator paper pH 8,0—10,0 1 refill packing = 2 bags à 3 rolls
	37071	Special indicator paper pH 9,0—13,0, roll with about 5 m
	37072	Special indicator paper pH 9,0—13,0 1 refill packing = 2 bags à 3 rolls
	37073	Special indicator paper pH 12,0—14,0, roll with about 5 m
	37074	Special indicator paper pH 12,0—14,0 1 refill packing = 2 bags à 3 rolls

1.8.6.3. POLYPEHA® indicator papers in stripe accuracy up to 0,2 pH units

37082 POLYPEHA® Indicator paper pH 1,0—2,8 box of 200 strips

37083 POLYPEHA® Indicator paper pH 1,8—3,8 box of 200 strips

37084 POLYPEHA® Indicator paper pH 2,8—4,6 box of 200 strips

37085 POLYPEHA® Indicator paper pH 3,8—5,5 box of 200 strips

37089 POLYPEHA® Indicator paper pH 8,0—9,7 box of 200 strips

37081 POLYPEHA® Indicator paper pH 0,0—1,8 box of 200 strips

37091 POLYPEHA® Indicator paper pH 10,5—13,0 box of 200 strips

37080 POLYPEHA® Indicator paper pH 1—12 box of 200 strips

37092 POLYPEHA® Indicator paper pH 12,0—14,0 box of 200 strips

37086 POLYPEHA® Indicator paper 5,2—6,8 box of 200 strips

37093 POLYPEHA® Indicator paper 6,0—8,1 box of 200 strips

37088 POLYPEHA® Indicator paper 7,2—8,8 box of 200 strips

37090 POLYPEHA® Indicator paper 9,5—12,0 box of 200 strips

1.8.6.4. Special indicator papers and reagent papers

37317 Congo paper DAB 6 box of 200 strips

37104 Lead acetate paper 1 packing = 6 booklets of 100 strips each

37135 Litmus paper blue 1 packing = 6 booklets of 100 strips each

37131 Litmus paper blue, roll with about 5 m

37144 Litmus paper neutral 1 packing = 6 booklets of 100 strips each

37141 Litmus paper red 1 packing = 6 booklets of 100 strips each

37136 Litmus paper red, roll with a 5 m

37167 Phenolphthalein paper DAB 6 with about 5 m

37120 Starch-potassium iodide pap 1 packing = 6 booklets of 10 strips each

37318 Turmeric paper box of 200 strips

1.9. Buffer substances and buffer solutions

1.9.1. Buffer substances

39493 2-Amino-2-methyl-1,3-propanediol
31146 Boric acid
39305 Boric acid
33161 5,5-Diethylbarbituric acid
33226 Glycine
32334 Potassium dihydrogen citrate
30407 Potassium dihydrogen phosphate
33325 Potassium hydrogen phthalate
32331 Potassium hydrogen tartrate
32329 Potassium tetroxalate dihydrate
33456 Sodium diethylbarbiturate
30412 *di*-Sodium hydrogen phosph 2-hydrate
30427 *di*-Sodium hydrogen phosph
31457 Sodium tetraborate-10-hydra
33742 Tris-(hydroxymethyl)-aminomethane

1.9.2. Buffer solutions

1.9.2.1. Standard buffer solutions (DIN 19226)

33592 Standard buffer solution pH 1,679 (25 °C)
33596 Standard buffer solution pH 3,776 (25 °C)
33593 Standard buffer solution pH 4,008 (25 °C)
33594 Standard buffer solution pH 6,865 (25 °C)
33597 Standard buffer solution pH (25 °C)
33595 Standard buffer solution pH (25 °C)

1.9.2.2. Buffer solutions, electrometrically tested

33540 Buffer solution pH 1,00
33541 Buffer solution pH 2,00
33542 Buffer solution pH 3,00
33543 Buffer solution pH 4,00
33544 Buffer solution pH 5,00
33545 Buffer solution pH 6,00
33546 Buffer solution pH 7,00
33547 Buffer solution pH 8,00
33548 Buffer solution pH 9,00
33549 Buffer solution pH 10,00
33550 Buffer solution pH 11,00
33551 Buffer solution pH 12,00
33552 Buffer solution pH 13,00
33581 Acetate buffer solution pH 4,
33582 Ammonia buffer solution pH
36050 Buffer solution pH 4,62, (sodi acetate/acetic acid) accordin Michaelis

1.9.3. FIXANAL® buffer

1.9.3.1. for 500 ml ready-for-use solution

38740 Buffer pH 1,00
38741 Buffer pH 2,00
38743 Buffer pH 4,00
38744 Buffer pH 5,00
38745 Buffer pH 6,00
38746 Buffer pH 7,00
38747 Buffer pH 8,00
38748 Buffer pH 9,00
38749 Buffer pH 10,00
38750 Buffer pH 11,00
38751 Buffer pH 12,00
38752 Buffer pH 13,00
38742 Buffer pH 3,00

1.9.3.2. for 1 L ready-for-use solution

38785 Buffer pH 7,2

FIXANAL® buffers for amino acid analysis according to Stein and Moore

Each package contains about 2 litres of concentrate which on dilution to 10 litres yields a ready-for-use buffer solution of the given pH and concentration

Buffer pH 2,20 (0,20 N)	*38691*	Buffer pH 3,28 (0,20 N)	*38693*	Buffer pH 4,26 (0,38 N)
Buffer pH 3,25 (0,20 N)	*38692*	Buffer pH 4,25 (0,20 N)	*38694*	Buffer pH 5,28 (0,35 N)

Products for microscopy

Stains

Acridine orange	*32675*	Crystal violet	*32678*	Methyl violet 6 B
Aniline blue	*33956*	Diamine light turqoise blue FBL	*32722*	Methylene blue
Azophloxine	*32647*	Diamond fuchsin	*32783*	Methylene green
Benzopurpurine 6 B	*32778*	Diazine green	*32604*	Naphthol yellow S
Bis-(4-aminophenyl)-1,3,4-oxadiazole (BAO), for microscopy	*32617*	Eosin	*33532*	Phloxine
Bisbenzimide H 33258	*33203*	Erythrosin	*32634*	Rhodamine B
Bisbenzimide H 33342	*33216*	Fast garnet salt GBC	*32658*	Rubin S concentrated
Brilliant cresyl blue	*32784*	Fat black	*32610*	Safranin T
Brilliant green	*32659*	Fat red bluish	*32704*	Sudan® blue II
Bromosulphaleine	*33218*	Fluorescein diacetate	*32699*	Sudan® red 7 B
Carmine	*33225*	Fluorescein isothiocyanate	*33716*	Thionine
Carminic acid	*32674*	Gentian violet	*33913*	Tropaeolin 000 No. 2
Chromotrope 2 R	*32667*	Indigo carmine	*32732*	Variamine blue salt B
Chrysoidine G	*32745*	Malachite green	*32761*	Victoria blue B
	32746	Methyl green		

Stain mixtures and solvents

Alizarin solution *1% according to Benda*	*32855*	Eosin methylene-blue *according to May-Grünwald*	*32945*	Methylene blue *concentrated watery according to Ehrlich (Ehrlich's reagent III)*
Alkali blue solution *according to Benda*	*32856*	Eosin methylene-blue solution *according to May-Grünwald*	*32934*	Methylene blue solution *according to Löffler*
Azur II	*32857*	Eosin methylene-blue solution *according to Wright*	*32935*	Methylene blue solution *polychrome according to Unna (10 g/l)*
Azur eosin methylene-blue *according to Giemsa*	*32851*	Eosin methylene-blue solution *DAB 6 according to Jenner, solution A: eosin solution*	*32938*	Neisser's solutions *for bacteriology, solution A: methylene blue solution (1 g/l)*
Azur eosin methylene-blue solution *according to Giemsa*	*32933*	Eosin methylene-blue solution *DAB 6, according to Jenner, solution B: methylene blue solution*	*36110*	Neisser's solutions *for bacteriology, solution B: crystal violet solution (3,33g/l)*
Azur II-eosine	*32845*	Eosin solution *1% in water*	*32835*	Neisser's solutions *for bacteriology, solution C: chrysoidin solution (3,3 g/l)*
Borax carmin solution *ethanolic according to Grenacher*	*32893*	Eosin-hematoxylin solution *according to Ehrlich (with alum)*	*32953*	Picrocarmin solution *according to Weigert*
Carbol gentian-violet solution *according to Gram*	*32878*	Fuchsin solution *ethanolic, 2%*	*32963*	Safranin solution *aqueous, according to Olt*
Carbolfuchsin solution *according to Ziehl-Neelsen*	*32891*	Hematoxylin solution *according to Boehmer (with alum)*	*36014*	Triazide solution
Carbolmethylene blue solution *according to Kühne*	*32892*	Hematoxylin solution *according to Delafield (with ammonium alum)*	*32959*	Türk's solution *for leucocyte counting*
Carmine solution *acid, alkoholic, according to Mayer*	*32897*	Hematoxylin solution *according to Weigert, solution A: hematoxylin solution (100 g/l)*	*32960*	Vesuvine solution *according to Neisser (2 g/l)*
Carmine solution *ammoniacal according to Best*	*32896*	Hematoxylin solution *according to Weigert, solution B: lithium carbonate solution (0,8 g/l)*	*32956*	Weigert's solution *DAB 6, for colouring of the elastic fibres*
Dye solution according to Boroviczeny *solution A: Toluidine blue-safranine-fixing solution*	*32922*	Iodine potassium iodide solution *according to Lugol*		
Dye solution according to Boroviczeny *solution B: Eosin solution*				

Auxiliaries

Acetic acid	*32905*	Carbolxylene	*36031*	Hayem's solution
Canada balsam	*33811*	Cedar wood oil	*33483*	Oil of cloves
Canada balsam	*33949*	Eukitt® *quick-hardening mounting medium*	*33509*	Paraffin
Canada balsam				

1.11. Products for scintillation

56019	ANPD
56000	Anthracene
56007	BBOT
56002	BIBUQ
56009	Bis-MSB
56042	Butyl-PBD
56004	Cabosil®
54040	Cadmium sulphide
56046	Calcium fluoride *(europium activated)*
56047	Calcium tungstate
56048	Cesium iodide *(sodium activated)*
56049	Cesium iodide *(thallium activated)*
56008	Dimethyl-POPOP
56016	Hyamine® 10 X
56018	Naphthalene
56041	PBBO
56021	PBD
56014	POPOP
56013	PPO
56040	Scintillation cocktail 303 E
56039	Scintillation cocktail 808 E
56043	Scintillator 303
56044	Scintillator 808
56051	Sodium iodide *(thallium activated)*
56023	*trans*-Stilbene
56025	p-Terphenyl
56057	TOBO
56026	TPB
56028	Triton® N-101
56029	Triton® X-100
56030	Triton® X-405
56032	Zinc oxide
56034	Zinc sulphide
56035	Zinc sulphide

1.12. Nematic liquid crystals see 5.

1.13. Auxiliaries for laboratory

18707	Acacia, (Gum arabic) purified powder Ph. Eur. I, B. P. 1973, Ph. Franç. IX
18701	Agar Agar, finest powder, DAB 6
18702	Agar Agar, shreds DAB 6
18605	Asbestos, acid washed
18603	Asbestos, long fibres
18604	Asbestos, powder
33059	Brij® 35
12029	Calcium chloride, 90—95% crude powder
31216	Calcium chloride, 84% R. G. granular
18001	Charcoal activated, chem. pure dry
18002	Charcoal activated, pure granular
18003	Charcoal activated, pure powder
31616	Charcoal activated, R. G. powder
18008	Charcoal animal, powder
18006	Charcoal iodized, (for adsorption of mercury)
31615	Charcoal wood, blocks for blowpipe analysis package with 10 blocks
18004	Charcoal wood, powder
07404	Chromosulphuric acid, 2% CrO_3
14903	Devarda's alloy
31609	Devarda's alloy, R. G. powder
01703	Etching powder, (for etching glass)
15086	Ethylcellulose 7 mPa s
15085	Ethylcellulose 45 mPa s
18406	Glass beads, diameter abt. 5 mm
18421	Glass wool carton of 500 g
18422	Glass wool carton of 1 kg
18423	Glass wool carton of 5 kg
15553	Graphite, fine powder
64624	Hydroxyethylcellulose, PROSYNTH®
01711	Ink for glass etching plastic bottle of 250 g
31239	Iron(II) sulphide, sticks for preparing hydrogen sulphide
18616	Kaolin, heavy powder Ph. Eur. I, B.P. 1973, Ph. Franç. IX
18514	Kieselguhr, purified calcined Erg. B. 6
31409	Magnesia grooves, for pearl-tests package with 50 pieces
31458	Magnesia grooves, for pearl-tests package with 100 pieces
31408	Magnesia sticks, for pearl-tests package with 25 pieces
31490	Magnesia sticks, for pearl-tests package with 50 pieces
31491	Magnesia sticks, for pearl-tests package with 100 pieces
31419	Magnesium perchlorate
13132	Magnesium perchlorate, (for drying)
31811	Molecular sieve, 0,3 nm (3Å), pearl-shaped, grain-size abt. 2 mm
31812	Molecular sieve, 0,4 nm (4Å), pearl-shaped, grain-size abt. 2 mm
31813	Molecular sieve, 0,5 nm (5Å), pearl-shaped, grain-size abt. 2 mm
18512	Paraffin, viscid DAB 8 *viscid*
18633	Paraffin, white, congealing range abt. 45—50 °C, block form
18635	Paraffin, white, congealing range abt. 55—60 °C, pastilles
18636	Paraffin, white, congealing range abt. 68—72 °C, block form
18634	Paraffin, white, DAB 8, congealing range abt. 50—55 °C, pastilles
30419	Phosphorus(V) oxide, R. G., Reag. ACS, Reag. Ph. Eur. I
04113	Phosphorus(V) oxide
30422	Phosphorus(V) oxide, on carrier substance for desiccators
34919	Potassium bromide SPECTRANAL®
65183	Propanephosphonic acid anhydride solution, 50% in dichloromethane PROSYNTH®
31802	Pumice stone, R. G.
18643	Quartz, purified (0,002% Fe) powder
18640	Quartz, white powder
31623	Quartz (sand), R. G. washed and calcined
16109	Saponin, pure
16108	Saponin, purified
18648	Sea sand, crude calcined for cleaning platinum crucibles
18649	Sea sand, hydrochloric acid washed
31624	Sea sand, R. G. acid washed calcined
13710	Silica gel, granulation 1,5—3
13711	Silica gel, with moisture ind (blue gel) Reag. Ph. Eur. I
13745	Silica gel, with moisture ind pearls
31460	Soda asbestos, for element analysis
31474	Soda lime, R. G. with indica granular
13464	Sodium sulphate, exsiccated chem. pure Ph. Eur. I, B. P. C. Ph. Franc, IX
35896	Sodium sulphate, exsiccated PESTANAL®
18405	Stopcock grease
30727	Sulphuric acid, on carrier for desiccators
18654	Talc, powder Ph. Eur. I, B.P. Ph. Franç. IX, Reag. Ph. Eur.
63158	Tween® 20, PROSYNTH®
63159	Tween® 40, PROSYNTH®
63160	Tween® 60, PROSYNTH®
63161	Tween® 80, PROSYNTH®
63162	Tween® 85, PROSYNTH®
16415	Vaseline
14913	Wood's metal, melting point 75 °C
16416	Zapon lacquer
31664	Zinc, R. G., fine powder (zinc dust) Reag. Ph. Eur. I
31651	Zinc, R. G., finely granulated
31677	Zinc, R. G., flaky
31653	Zinc, R. G., granulated, Reag ACS, Reag. Ph. Eur. I
31657	Zinc, R.G., sticks of 6 mm ∅
14472	Zinc, chem. pure (As max. 0,000015%) flaky
14401	Zinc, chem. pure (As max. 0,000015%) granulated
14407	Zinc, chem. pure (As max. 0,000015%) rasped
14409	Zinc, pure (As max. 0,000015% powder
14406	Zinc, pure (As max. 0,000015% sticks of 6 mm ∅

Products for synthesis

PROSYNTH®, chemicals for organic synthesis

Hydrocarbons

Aliphatic hydrocarbons

Allocymene		
Decane	*62650*	2-Hexene
Decene-(1)	*65018*	*cis*-2-Hexene
Di-*iso*-butylene	*65019*	*trans*-2-Hexene
2,2-Dimethylbutane	*65020*	*trans*-3-Hexene
2,3-Dimethylbutane	*62652*	Hexyne-(1)
2,3-Dimethyl-2-butene	*62653*	Hexyne-(2)
3,3-Dimethyl-1-butene	*62654*	Hexyne-(3)
2,4-Dimethylpentane	*62791*	2-Methylbutadiene-(1,3)
Docosane	*63880*	2-Methylbutene-(1)
1-Docosene	*63638*	3-Methylhexane
Dodecane	*64109*	7-Methyl-3-methylene-1,6-octadiene
1-Dodecene	*63893*	3-Methylpentane
Dotriacontane	*63651*	2-Methyl-1-pentene
Eicosane	*65047*	2-Methyl-2-pentene
Heptadecane	*65048*	3-Methyl-1-pentene
Heptadecene-(1)	*65051*	3-Methyl-2-pentene
n-Heptane	*65049*	*cis*-3-Methyl-2-pentene
Heptane	*65050*	*trans*-3-Methyl-2-pentene
3-Heptene	*63652*	4-Methyl-1-pentene
Heptyne-(1)	*63653*	*cis*-4-Methyl-2-pentene
Heptyne-(3)	*63654*	*trans*-4-Methyl-2-pentene
Hexadecane	*62905*	Nonadecane
Hexadecene-(1)	*62906*	Nonane
Hexane	*63695*	1-Nonene
n-Hexane	*65073*	4-Nonene
Hexatriacontane	*64118*	Octacosane
1-Hexene		

62912	*n*-Octadecane	
62914	Octadecene-(1)	
62916	Octane	
16514	*iso*-Octane	
16506	Octane *(from petroleum)*	
62921	Octene-(1)	
63916	Octyne-(1)	
63917	Octyne-(2)	
63918	Octyne-(3)	
62923	Octyne-(4)	
62944	*n*-Pentadecane	
60489	*n*-Pentane	
16508	*iso*-Pentane	
16504	Pentane *mixture of isomers*	
16534	*n*-Pentane *95 %*	
62952	Pentene-(1)	
62953	Pentene-(2)	
62954	Pentyne-(1)	
63510	Squalane	
63072	Tetracosane	
63752	Tetradecane	
63073	1-Tetradecene	
65098	7-Tetradecene	
63797	2,4,4-Trimethylpentene-(2)	
63140	2,4,4-Trimethylpentene-(1)	
63802	Undecane	
64933	1-Undecene	

Alicyclic hydrocarbons

Adamantane	*62398*	Cyclooctane
Azulene	*64458*	1,3,5,7-Cyclooctatetraene
Camphene	*62401*	Cyclooctene
Cyclododecane	*63343*	Cyclopentane
cis,trans,trans-1,5,9-Cyclododecatriene	*62405*	Cyclopentene
Cyclododecene	*24219*	Decalin
Cycloheptane	*63983*	Decylcyclohexane
1,3,5-Cycloheptatriene	*62497*	Dicyclopentadiene
Cycloheptene	*63828*	cis, trans-1,2-Dimethylcyclohexane
1,3-Cyclohexadiene	*63829*	*cis, trans*-1,3-Dimethylcyclohexane
1,4-Cyclohexadiene	*63830*	*cis, trans*-1,4-Dimethylcyclohexane
Cyclohexane	*15170*	Guaiazulene *100 %*
Cyclohexene	*15171*	Guaiazulene *50 % (dissolved in paraffin viscid)*
Cyclooctadiene-(1,3)		
Cyclooctadiene-(1,5)		

15172	Guaiazulene *25 %, soluble in water (dissolved in Cremophor® EL)*	
15182	Guaiazulene *25 %, powder (on Aerosil®)*	
62796	Methylcyclohexane	
63625	Methylcyclopentadiene dimer	
62800	Methylcyclopentane	
62911	Norbornadiene-(2,5)	
63728	(+)-α-Pinene	
63920	(-)-α-Pinene	
63921	(-)-β-Pinene	
24250	1,2,3,4-Tetrahydronaphthalene	
63136	1,3,5-Trimethylcyclohexane	
63174	4-Vinylcyclohexene	

Aromatic hydrocarbons

Acenaphthene	*62371*	Cumene
Acenaphthylene	*15333*	p-Cymene
Allylbenzene	*64471*	1,2-Diethylbenzene
Anthracene	*63408*	1,3-Diethylbenzene
Benzene	*63413*	9,10-Dihydroanthracene
Benzene	*63842*	1,2-Dimethylnaphthalene
Benzo[α]pyrene	*64555*	1,3-Dimethylnaphthalene
Biphenyl	*63843*	1,6-Dimethylnaphthalene
Butylbenzene	*62251*	2,3-Dimethylnaphthalene
sec.-Butylbenzene	*63446*	2,6-Dimethylstyrene
tert.-Butylbenzene	*62331*	Diphenylacetylene

62569	1,4-Diphenylbutadiene-(1,3)	
62566	1,1-Diphenylethylene	
62573	Diphenylmethane	
63424	1,3-Di-*iso*-propylbenzene	
63425	1,4-Di-*iso*-propylbenzene	
62585	Divinylbenzene solution	
62040	Ethylbenzene	
63482	2-Ethylnaphthalene	
64244	2-Ethyltoluene	
64245	3-Ethyltoluene	
64246	4-Ethyltoluene	

63487	Fluoranthene
62605	Fluorene
61508	3-Fluorobenzyl bromide
63509	Hexamethylbenzene
63517	Hydrindene
62686	Indene
62743	Mesitylene
62780	9-Methylanthracene
63630	4,5-Methylenephenanthrene
62812	1-Methylnaphthalene
62813	2-Methylnaphthalene
62820	2-Methylpentane
63811	Methylstyrene
62836	α-Methylstyrene
63902	2-Methylstyrene
63903	3-Methylstyrene
63904	4-Methylstyrene
15801	Naphthalene
62956	*n*-Pentylbenzene
65137	*sec.*-Pentylbenzene
63707	Perylene
62960	Phenanthrene
63191	1-Phenyldecane
63192	1-Phenyldodecane
62972	1-Phenylheptane
62973	1-Phenylhexane
62977	1-Phenylnonane
62978	1-Phenyloctane
63028	*n*-Propylbenzene
15339	Pseudocumene
63033	Pyrene
63054	*cis*-Stilbene
63055	Styrene
63083	1,2,4,5-Tetramethylbenzene
63087	Tetraphenylethylene
24529	Toluene *(thiophene max. 0,00*
24526	Toluene
63785	Tridecylbenzene
64927	1,3,5-Triisopropylbenzene
63807	2,4,6-Trimethylstyrene
63173	9-Vinylanthracene
16449	o-Xylene
16453	m-Xylene
16469	p-Xylene
16446	Xylene

2.1.2. Halogen hydrocarbons

2.1.2.1. Aliphatic and alicyclic halogen hydrocarbons

62058	Allyl chloride
62166	1-Bromoadamantane
02809	1-Bromobutane
60070	2-Bromobutane
63975	1-Bromobutene-(2)
64780	1-Bromo-2-chloroethane
64779	Bromochloromethane
62192	1-Bromo-3-chloropropane
15391	Bromo-3-chloropropane
64795	Bromocyclobutane
62193	Bromocycloheptane
64343	Bromocyclopropane
62194	1-Bromodecane
64613	Bromodichloromethane
64615	1-Bromo-2,2-dimethylpropane
15934	1-Bromododecane
60067	Bromoethane
02802	Bromoethane
64632	9-Bromofluorene
02807	Bromoform
62201	1-Bromoheptane
62202	2-Bromoheptane
62203	1-Bromohexadecane
62204	1-Bromohexane
63266	3-Bromohexane
02870	1-Bromohexane
64647	6-Bromo-1-hexene
60072	Bromomethane
60073	1-Bromo-3-methylbutane
60074	1-Bromo-2-methylpropane
60075	2-Bromo-2-methylpropane
62211	1-Bromononane
63697	1-Bromooctadecane
60077	1-Bromooctane
64679	1-Bromopentadecane
62212	1-Bromopentane
02130	2-Bromopentane
63271	5-Bromopentene-(1)
60078	1-Bromopropane
60079	2-Bromopropane
02824	2-Bromopropane
02804	3-Bromopropene
62218	3-Bromopropene
63670	1-Bromotetradecane
61014	4-Bromo-3,3,4,4-tetrafluorobutene-(1)
62231	Bromotrichloromethane
64361	1-Bromotridecane
64363	1-Bromoundecane
63263	4-Bromo-o-xylene
63264	4-Bromo-m-xylene
63066	Carbon tetrabromide
24248	Carbon tetrachloride
24247	Carbon tetrachloride
15224	1-Chlorobutane
64399	*trans*-1-Chlorobutane
63304	3-Chloro-1-butene
62310	1-Chlorododecane
24216	Chloroform
64213	1-Chloroheptane
64944	3-Chloroheptane
64939	1-Chlorohexane
60103	2-Chloro-2-methylpropane
64418	1-Chlorooctadecane
65154	1-Chlorooctane
64420	1-Chloropentane
64425	1-Chloropropane
63321	2-Chloropropene-(1)
63320	1-Chloropropene-(1)
62394	Cyclohexyl bromide
62395	Cyclohexyl chloride
62406	Cyclopentyl bromide
60128	1,4-Dibromobutane
62454	1,4-Dibromobutene-(2)
64677	(±)-*trans*-1,2-Dibromocyclohexane
62455	1,10-Dibromodecane
65146	2,3-Dibromo-1,4-dichlorobutene (2)
64601	1,2-Dibromo-1,1-dichloroethane
61138	1,2-Dibromo-1,1-difluoroethane
63462	1,12-Dibromododecane
60126	1,2-Dibromoethane
62450	1,2-Dibromoethylene
61012	1,2-Dibromohexafluoropropane
62456	1,6-Dibromohexane
62457	Dibromomethane
64487	1,9-Dibromononane
64488	1,8-Dibromooctane
62458	1,5-Dibromopentane
62459	1,2-Dibromopropane
62460	1,3-Dibromopropane
60130	2,3-Dibromopropene
64009	1,2-Dibromotetrachloroethane
61013	1,4-Dibromo-1,1,2,2-tetrafluorobutane
61011	1,2-Dibromotetrafluoroethane
61122	1,6-Dibromo-1,1,2,2-tetrafluorohexane
64011	1,2-Dibromotrichloroethane
64616	1,11-Dibromoundecane
64804	1,1-Dichloro-3,3-dimethylbutane
15428	1,2-Dichloroethane
15429	*trans*-1,2-Dichloroethylene
65153	1,2-Dichloroethylene
62473	1,1-Dichloroethylene
62485	1,6-Dichlorohexane
24233	Dichloromethane
60135	Dichloromethane
63389	1,3-Dichloro-3-methylbutane
61228	2,3-Dichlorooctafluorobutane
64805	1,5-Dichloropentane
64519	1,3-Dichloropropane
64817	2,2-Dichloropropane
64816	1,1-Dichloro-1-propene
63394	2,3-Dichloro-1-propene
64969	1,10-Diiododecane
60143	Diiodomethane
64970	1,8-Diiodooctane
64971	1,5-Diiodopentane
61120	1,4-Diiodoperfluorobutane
64972	1,3-Diiodopropane
61424	1-Fluoroheptane
61425	1-Fluorohexadecane
61432	Fluorooctane
61435	1-Fluorotetradecane
62634	Hexachloro-1,3-butadiene
62635	Hexachlorocyclopentadiene
15611	Hexachloroethane
62636	Hexachloropropene
60195	1-Iodobutane
60196	2-Iodobutane
64652	Iodocyclohexane
63567	1-Iododecane
60194	Iodoethane
03801	Iodoethane
63499	1-Iodoheptane
60379	1-Iodohexadecane
60197	1-Iodohexane
60198	Iodomethane
03810	Iodomethane
62709	1-Iodo-3-methylbutane
60199	1-Iodo-2-methylpropane
60200	2-Iodo-2-methylpropane
64143	Iodononane
64119	1-Iodooctadecane
60201	1-Iodooctane
62710	1-Iodopentane
62295	2-Iodopentane
60202	1-Iodopropane
60203	2-Iodopropane
62754	Methallyl chloride
62942	Pentachloroethane
65077	Pentaerythritol tetrabromide

Perfluorobutyl iodide	*61449*	Perfluorohexane
Perfluorodecahydronaphthalene	*61126*	Perfluorohexyl bromide
1H-Perfluorodecane	*61130*	Perfluorohexyl chloride
1H,1H,2H-Perfluorodecene-(1)	*61002*	Perfluorohexyl iodide
Perfluorodecyl bromide	*61006*	1H,1H,2H,2H-Perfluorohexyl iodide
Perfluorodecyl iodide	*61132*	1H,1H,1H,2H,3H,3H-Perfluoro-2-iodononane
1H,1H,2H,2H-Perfluorodecyl iodide	*61155*	1H-Perfluorooctane
Perfluorododecyl iodide	*61015*	1H,1H,2H-Perfluorooctene-(1)
1H,1H,2H,2H-Perfluorododecyl iodide	*61125*	Perfluorooctyl bromide
Perfluoroethyl iodide	*61003*	Perfluorooctyl iodide
1H,1H-Perfluoroethyl iodide	*61007*	1H,1H,2H,2H-Perfluorooctyl iodide
1H-Perfluorohexane	*61140*	Perfluoropropene
	61150	Perfluoropropene
	61151	Perfluoropropene
	61355	Perfluoro-*n*-propyl iodide
	61118	Perfluoro-*iso*-propyl iodide
	61010	1H,1H,2H,2H-Perfluorotetradecyl iodide
	02826	1,1,2,2-Tetrabromoethane
	63749	*meso*-1,2,3,4-Tetrachlorobutane
	65095	Tetrachlorocyclopropene
	16209	1,1,2,2-Tetrachloroethane
	16211	Tetrachloroethylene
	65078	Tetraiodomethane
	24254	Trichloroethylene
	64903	1,2,3-Trichloropropane

Aromatic halogen hydrocarbons

Benzal bromide	*61076*	3-Chlorobenzotrifluoride
Benzal chloride	*61077*	4-Chlorobenzotrifluoride
Benzotrichloride	*63970*	2-Chlorobenzyl bromide
Benzotrifluoride	*63303*	3-Chlorobenzyl bromide
Benzyl bromide	*62300*	2-Chlorobenzyl chloride
Benzyl chloride	*62301*	3-Chlorobenzyl chloride
1,3-Bis(trifluoromethyl)benzene	*62302*	4-Chlorobenzyl chloride
9-Bromoanthracene	*62309*	Chlorodiphenylmethane
Bromobenzene	*61500*	2-Chloro-6-fluorobenzal chloride
3-Bromobenzotrifluoride	*61202*	2-Chlorofluorobenzene
4-Bromobenzotrifluoride	*61045*	3-Chlorofluorobenzene
2-Bromobenzotrifluoride	*61046*	4-Chlorofluorobenzene
2-Bromobenzyl bromide	*61502*	2-Chloro-6-fluorobenzotrichloride
3-Bromobenzyl bromide	*61393*	2-Chloro-6-fluorobenzyl chloride
4-Bromobenzyl bromide	*61051*	2-Chloro-4-fluorotoluene
4-Bromobiphenyl	*61298*	2-Chloro-5-fluorotoluene
2-Bromochlorobenzene	*61054*	2-Chloro-6-fluorotoluene
3-Bromochlorobenzene	*01806*	2-Chloro-6-fluorotoluene
4-Bromochlorobenzene	*61489*	3-Chloro-2-fluorotoluene
4-Bromocumene	*61052*	4-Chloro-2-fluorotoluene
1-Bromo-3,4-dichlorobenzene	*61053*	5-Chloro-2-fluorotoluene
Bromodiphenylmethane	*61506*	5-Chloro-3-fluorotoluene
2-Bromofluorene	*64256*	2-Chloroiodobenzene
2-Bromofluorobenzene	*63314*	4-Chloroiodobenzene
3-Bromofluorobenzene	*61225*	4-Chloro-3-iodobenzotrifluoride
4-Bromofluorobenzene	*63973*	2-Chloro-4-iodotoluene
2-Bromo-4-fluorotoluene	*62321*	1-(Chloromethyl)-naphthalene
2-Bromo-5-fluorotoluene	*64261*	2-Chloromethyl-2-phenylpropane
4-Bromoiodobenzene	*63315*	4-Chloro-α-methylstyrene
2-Bromomesitylene	*64270*	2-Chloronaphthalene
1-Bromo-2-methylnaphthalene	*61476*	Chloropentafluorobenzene
1-Bromo-4-methylnaphthalene	*63302*	2-Chlorostyrene
1-Bromonaphthalene	*63316*	3-Chlorostyrene
2-Bromonaphthalene	*62352*	4-Chlorostyrene
Bromopentafluorobenzene	*64434*	2-Chlorotoluene
α-Bromo-2,3,4,5,6-pentafluorotoluene	*62356*	3-Chlorotoluene
	62357	4-Chlorotoluene
9-Bromophenanthrene	*62359*	Chlorotriphenylmethane
3-Bromo-1-phenyl-1-propen	*64407*	2-Chloro-p-xylene
β-Bromostyrene	*64419*	4-Chloro-o-xylene
2-Bromostyrene	*62451*	1,2-Dibromobenzene
3-Bromostyrene	*63463*	1,3-Dibromobenzene
4-Bromostyrene	*60127*	1,4-Dibromobenzene
2-Bromotoluene	*64006*	4,4'-Dibromobiphenyl
3-Bromotoluene	*61203*	Dibromofluorobenzene
4-Bromotoluene	*65209*	1,4-Dibromonaphthalene
3-Bromo-o-xylene	*62463*	α,Ga'-Dibromo-o-xylene
2-Bromo-m-xylene	*63666*	α,Ga'-Dibromo-m-xylene
3-Chlorobenzal bromide	*62464*	Ga,α'-Dibromo-p-xylene
4-Chlorobenzal bromide	*63680*	2,5-Dibromo-p-xylene
Chlorobenzene	*64785*	2,6-Dichlorobenzal chloride
4-Chlorobenzhydryl chloride	*65152*	1,2-Dichlorobenzene
4-Chlorobenzotrichloride	*60134*	1,3-Dichlorobenzene
2-Chlorobenzotrifluoride	*18202*	1,4-Dichlorobenzene
	63382	2,6-Dichlorobenzyl bromide
	63383	2,4-Dichlorobenzyl chloride
	63384	2,6-Dichlorobenzyl chloride
	63385	3,4-Dichlorobenzyl chloride
	64019	2,3-Dichloroiodobenzene
	64020	2,4-Dichloroiodobenzene
	64021	2,5-Dichloroiodobenzene
	64023	3,4-Dichloroiodobenzene
	63399	2,6-Dichlorostyrene
	63816	3,4-Dichlorostyrene
	64520	2,4-Dichlorotoluene
	64030	2,5-Dichlorotoluene
	64963	2,6-Dichlorotoluene
	64964	3,4-Dichlorotoluene
	63401	α,α'-Dichloro-o-xylene
	63402	α,α'-Dichloro-m-xylene
	63403	α,α'-Dichloro-p-xylene
	61231	1,2-Difluorobenzene
	61232	1,3-Difluorobenzene
	61233	1,4-Difluorobenzene
	61238	4,4'-Difluorobiphenyl
	61244	2,4-Difluorotoluene
	61245	2,5-Difluorotoluene
	61301	2,3-Dimethylfluorobenzene
	64993	Diphenyliodonium chloride
	64367	1-Ethyl-4-bromobenzene
	61267	4-Fluorobenzal chloride
	61044	Fluorobenzene
	01801	Fluorobenzene
	61074	3-Fluorobenzotrifluoride
	61507	2-Fluorobenzyl bromide
	61422	4-Fluorobenzyl bromide
	61282	2-Fluorobenzyl chloride
	61423	3-Fluorobenzyl chloride
	61283	4-Fluorobenzyl chloride
	61302	2-Fluorobiphenyl
	61303	4-Fluorobiphenyl
	61309	2-Fluoroiodobenzene
	61310	3-Fluoroiodobenzene
	61311	4-Fluoroiodobenzene
	61314	4-Fluoro-2-iodotoluene
	61319	1-Fluoronaphthalene
	61352	4-Fluorostyrene
	61350	2-Fluorostyrene
	61351	3-Fluorostyrene
	61048	2-Fluorotoluene
	01804	2-Fluorotoluene
	61049	3-Fluorotoluene
	61050	4-Fluorotoluene
	01805	4-Fluorotoluene
	61509	3-Fluoro-1,2-xylene
	61358	Hexafluorobenzene
	62706	Iodobenzene
	63569	1-Iodonaphthalene

63574	2-Iodotoluene
63575	3-Iodotoluene
63576	4-Iodotoluene
62788	2-Methylbenzyl bromide
63877	3-Methylbenzyl bromide
62789	4-Methylbenzyl bromide
63878	2-Methylbenzyl chloride
62790	4-Methylbenzyl chloride
63879	3-Methylbenzyl chloride
64770	Pentachlorobenzene
61329	Pentafluorobenzene
61368	Pentafluoroiodobenzene
61441	2,3,4,5,6-Pentafluorostyrene
61365	2,3,4,5,6-Pentafluorotoluene
61442	Perfluoromethylcyclohexane
62959	2-Phenethyl bromide
64718	3-Phenylpropyl bromide
64848	α,α,α',α'-Tetrabromo-o-xylene
63748	α,α,α',α'-Tetrabromo-m-xyler
64851	1,2,3,4-Tetrachlorobenzene
61455	1,2,3,4-Tetrafluorobenzene
64381	1,3,5-Tribromobenzene
60490	1,2,3-Trichlorobenzene
61382	2,4,5-Trichlorofluorobenzene
63781	2,4,5-Trichlorotoluene
61389	1,2,4-Trifluorobenzene

2.1.3. Alcohols and alcoholates

2.1.3.1. Aliphatic unsubstituted alcohols and alcoholates

60020	Allyl alcohol
64323	Aluminium methylate
60021	Aluminiumtri *iso*-propylate
60038	Amyl alcohol
24120	Amyl alcohol
24124	Butanol-(1)
24126	Butanol-(2)
24125	*iso*-Butanol
24127	*tert.*-Butanol
15222	Butene-(2)-diol-(1,4)
24213	1,3-Butylene glycol
15264	1,4-Butylene glycol
62235	Butyne-(2)-diol-(1,4)
62236	Butyne-(1)-ol-(3) solution
24129	Cetyl alcohol
62370	Crotyl alcohol
62410	Decanediol-(1,10)
62411	1-Decanol
64493	5-Decanol
60454	*iso*-Decanol
64039	2,2-Diethylpropanediol-(1,3)
62525	2,3-Dimethylbutanediol-(2,3)
63436	2,3-Dimethylbutanol-(2)
64553	2,5-Dimethyl-2,5-hexanediol
63837	2,2-Dimethylhexanol-(3)
63838	2,3-Dimethylhexanol-(3)
63439	2,4-Dimethylhexanol-(3)
63839	2,5-Dimethylhexanol-(2)
63840	2,5-Dimethylhexanol-(3)
63841	3,5-Dimethylhexanol-(3)
63846	2,2-Dimethylpentanol-(3)
63847	2,3-Dimethylpentanol-(2)
63848	2,3-Dimethylpentanol-(3)
63849	2,4-Dimethylpentanol-(2)
15919	2,2-Dimethylpropanediol-(1,3)
60448	2,2-Dimethylpropanol-(1)
62588	1-Docosanol
62590	1-Dodecanol
64974	2-Dodecanol
62595	Eicosanol-(1)
24103	Ethanol absolute
24106	Ethanol *96 Vol%*
63470	2-Ethylbutanol-(1)
24204	Ethylene glycol
60380	2-Ethylhexanol
65008	Farnesol
63491	Geraniol
15524	Glycerol *86—88%*
15523	Glycerol *98%*
62625	Heptanol-(1)
62626	Heptanol-(2)
64610	Heptanol-(3)
62500	Heptanol-(4)
15665	1,6-Hexanediol
64619	2,5-Hexanediol
62648	1,2,6-Hexanetriol
62643	1-Hexanol
62644	2-Hexanol
62645	3-Hexanol
63857	5-Hexene-(1)-ol
65021	2-Hexene-4-ol
64081	3-Hydroxymethylheptene-(3)
63596	Linalool
65040	Lithium *tert.*-butylate
24229	Methanol
24228	Methanol
60428	2-Methyl-2-butanol
15114	2-Methylbutanol-(2)
60217	3-Methylbutanol-(1)
64689	3-Methylbutanol-2
63623	2-Methylbutene-(3)-ol-(2)
62794	2-Methyl-3-butyn-2-ol
64693	2-Methylcyclohexanol
63989	4-Methylheptadiene-(1,6)-ol-(4)
63634	2-Methyl-2-heptanol
63635	2-Methyl-3-heptanol
63884	2-Methyi-4-heptanol
65005	5-Methyl-3-heptanol
65004	6-Methyl-2-heptanol
63887	6-Methyl-3-heptanol
63639	2-Methyl-2-hexanol
63640	2-Methyl-3-hexanol
65003	3-Methyl-2-hexanol
63641	3-Methyl-3-hexanol
63643	5-Methyl-2-hexanol
62822	2-Methylpentanediol-(2,4)
63895	2-Methylpentanol-(2)
63896	2-Methylpentanol-(3)
65046	3-Methylpentanol-(2)
63897	3-Methylpentanol-(3)
63898	4-Methylpentanol-(1)
62824	4-Methylpentanol-(2)
15779	3-Methylpentin-(1)-ol-(3)
64712	2-Methyl-2-propen-1-ol
64754	1-Nonadecanol
65072	2-Nonadecanol
63910	2-Nonanol
62907	1-Nonanol
63911	4-Nonanol
63912	5-Nonanol
60449	*iso*-Nonanol
60450	*iso*-Octadecanol
64758	1,8-Octanediol
24134	1-Octanol
24133	2-Octanol
62917	3-Octanol
62946	1-Pentadecanol
65076	2-Pentadecanol
62947	Pentaerythritol
62949	Pentanediol-(1,5)
62950	Pentanediol-(2,4)
60244	Pentanol-(2)
62951	Pentanol-(3)
60243	Pentanol-(1)
64655	Potassium *tert.*-butylate
60451	1,3-Propanediol
16033	1,2-Propanediol
24135	Propanol-(1)
24137	Propanol-(2)
60262	Propargyl alcohol
62864	Sodium methylate
13546	Sodium methylate solution
63053	Stearyl alcohol
63074	Tetradecyl alcohol
63128	Tridecanol-(1)
60455	*iso*-Tridecanol
63155	1,1,1-Tris-(hydroxymethyl)-propane
63164	1-Undecanol
65131	3-Undecanol
65132	6-Undecanol
63166	10-Undecene-(1)-ol

2.1.3.2. Aliphatic substituted alcohols and alcoholates

60412	2-Acetamidoethanol
20801	Acetone chloroform
64334	Aldoldimethylacetal
63205	N-Allyl-N'-(2-hydroxyethyl)thiourea
62074	2-Aminobutanol-(1)
15014	2-Aminoethanol
62312	N-(2-Aminoethyl)-ethanolamine
63227	DL-4-Amino-3-hydroxybutyric acid
62081	2-Amino-2-methyl-1-propanol
64446	5-Amino-1-pentanol
62087	1-Aminopropanol-(2)
62089	3-Aminopropanol-(1)
63246	Batyl alcohol
64497	N,N-Bis-(2-hydroxyethyl)-2-aminoethanesulphonic acid
62167	2-Bromoethanol
64699	1-Bromo-2-propanol
62217	3-Bromo-1-propanol
64841	4-Chloro-1-butanol
15019	2-Chloroethanol
64924	6-Chloro-1-hexanol
64923	1-Chloro-2-methyl-2-propanol
60109	3-Chloro-1,2-propanediol
62341	3-Chloro-1-propanol
64370	Choline solution
24220	Diacetone alcohol
65145	2,3-Dibromobutene-(2)-diol-(1,4
62461	2,3-Dibromopropanol-(1)
65147	2,3-Dibromopropene-(2)-ol-(1)

2-Dibutylaminoethanol	*24206*	Ethylene glycol monoethyl ether
2,2-Dichloroethanol	*24234*	Ethylene glycol monomethyl ether
1,3-Dichloro-2-propanol	*61264*	2-Fluoroethanol
Diethanolamine	*64784*	Gluconic acid potassium salt
Diethanolamine	*62620*	Gluconic acid sodium salt
Diethyl oxalacetate, sodium derivative	*63493*	D(+)-Glyceraldehyde
Diethylene glycol	*63494*	Glycerol-1-monoacetate
Diethylene glycol monobutyl ether	*62345*	Glycolaldehyde
	27674	Glycollic acid
Diethylene glycol monoethyl ether	*61437*	2,2,3,3,4,4,4-Heptafluoro-1-butanol
	65148	2-Hydroxyacetaldehyde diethylacetal
Diethylene glycol monomethyl ether	*62671*	3-Hydroxybutanone-(2)
N,N-Diethylethanolamine	*63519*	DL-2-Hydroxybutyric acid
Diethyl L(+)-tartrate	*63527*	2-Hydroxy-*iso*-butyric acid
Dihydroxyfumaric acid	*63521*	N-(2-Hydroxyethyl)cyclohexylamine
2,3-Dimercaptopropanol-(1)	*65024*	2-Hydroxyethylhydrazine
2-Dimethylamino-2-methylpropanol-(1)	*63547*	2-Hydroxyhexadecanoic acid
1-Dimethylaminopropanol-(2)	*63537*	2-Hydroxy-2-methylbutanone-(3)
3-Dimethylaminopropanol-(1)	*63549*	3-Hydroxypropionic acid
N,N-Dimethylethanolamine	*60311*	3-Hydroxypropionitrile
Dimethyl (+)-tartrate	*63557*	12-Hydroxystearic acid
Di-*iso*-propanolamine	*63543*	2-Hydroxytetradecanoic acid
Dipropylene glycol	*62700*	2-Iodoethanol
Ethyl lactate	*27714*	Lactic acid
2-Ethylcyclohexanol	*63592*	L(+)-Lactic acid solution
Ethylene glycol monobutyl ether	*65054*	DL-Lactonitrile
	62033	L(-)-Malic acid
	62736	2-Mercaptoethanol
	15769	N-Methyldiethanolamine
	15770	N-Methylethanolamine
	64834	Mucic acid
	65063	2-Nitroethanol
	65075	D-Pantothenic acid solution
	61022	1H,1H,2H,2H-Perfluorodecanol
	61023	1H,1H,2H,2H-Perfluorododecanol
	61019	1H,1H-Perfluoroheptanol
	61018	1H,1H,2H,2H-Perfluorohexanol
	61020	1H,1H-Perfluorooctanol
	61021	1H,1H,2H,2H-Perfluorooctanol
	63176	D(-)-Tartaric acid
	63923	DL-Tartaric acid
	63177	*meso*-Tartaric acid monohydrate
	61145	2,2,3,3-Tetrafluoropropanol
	63767	1-Thioglycerol solution
	64886	2,2,2-Tribromoethanol
	60314	2,2,2-Trichloroethanol
	16303	Triethanolamine
	16339	Triethanolamine
	61383	Triethyl 2,4-difluorocitrate
	63113	Triethylene glycol
	61017	2,2,2-Trifluoroethanol
	63801	Tris-(hydroxymethyl)-nitromethane

Alicyclic alcohols and alcoholates

l-Adamantanol	*24217*	Cyclohexanol
l,4-Bis-(hydroxymethyl)-cyclohexane	*62399*	Cyclooctanol
-)-Borneol	*62403*	Cyclopentanol
l-*tert.*-Butylcyclohexanol	*63990*	Dehydroascorbic acid
l-Chloro-α-methylbenzyl alcohol	*63831*	2,3-Dimethylcyclohexanol
Cycloheptanol	*63832*	2,4-Dimethylcyclohexanol
trans-1,2-Cyclohexanediol	*63835*	3,5-Dimethylcyclohexanol
cis,trans-1,2-Cyclohexanediol	*62530*	2,6-Dimethylcyclohexanol
,4-Cyclohexanediol	*63834*	3,4-Dimethylcyclohexanol
	65175	Dimethyl 2,5-dioxo-1,4-cyclohexanedicarboxylate
	63456	1,1-Diphenylethanol
	63492	Gibberellic acid
	15785	(-)-Menthol
	62798	3-Methylcyclohexanol
	62799	4-Methylcyclohexanol
	62272	Quinic acid
	61025	2,2,3,3,-Tetrafluorocyclobutylmethanol

Aromatic alcohols and alcoholates

Anise alcohol	*64670*	Ethyl mandelate
DL-Atrolactinic acid hemihydrate	*62049*	N-Ethyl-N-(2-hydroxyethyl)-p-phenylenediamine sulphate
Benzhydrol	*61415*	2-Fluorobenzyl alcohol
Benzilic acid	*61421*	3-Fluorobenzyl alcohol
Benzoin	*61481*	4-Fluorobenzyl alcohol
Benzyl alcohol	*61315*	4-Fluoromandelic acid
-Benzylaminoethanol	*61333*	2-Fluorophenylmethylcarbinol
enzyl-DL(±)-mandelate	*61334*	3-Fluorophenylmethylcarbinol
-(4)-Biphenylyl-2-propanol	*61335*	4-Fluorophenylmethylcarbinol
is-(4-fluorophenyl)-methanol	*62670*	2-Hydroxybenzyl alcohol
-Bromobenzhydrol	*64629*	4-Hydroxybenzyl alcohol
-Bromobenzyl alcohol	*63719*	N-(2-Hydroxyethyl)aniline
-Bromonaphthol-(2)	*63529*	DL-4-Hydroxymandelic acid monohydrate
-Chlorobenzyl alcohol	*63530*	4-Hydroxy-3-methoxymandelic acid
-Chloro-6-fluorobenzyl alcohol	*62676*	α-Hydroxyphenylacetonitrile
hlorogenic acidhemihydrate	*62733*	L(+)-Mandelic acid
-Chloromandelic acid	*27713*	Mandelic acid
innamyl alcohol	*62732*	D(-)-Mandelic acid
4-Dichlorobenzyl alcohol	*62764*	2-Methoxybenzyl alcohol
6-Dichlorobenzyl alcohol	*62765*	3-Methoxybenzyl alcohol
4-Dichlorobenzyl alcohol	*63620*	2-Methylbenzyl alcohol
5-Dichlorophenylmethylcarbinol	*63874*	3-Methylbenzyl alcohol
6-Dichlorophenylmethylcarbinol	*64099*	Methylnaphthylcarbinol-(1)
4-Dichlorophenylmethylcarbinol	*64100*	Methylnaphthylcarbinol-(2)
6-Dimethyl-α-methylbenzyl cohol	*64103*	4-Methylphenylmethylcarbinol
	62855	1,5-Naphthalenediol
	62856	2,3-Naphthalenediol
	62857	2,7-Naphthalenediol
	62882	2-Nitrobenzyl alcohol
	65066	3-Nitrobenzyl alcohol
	62883	4-Nitrobenzyl alcohol
	64755	L(-)-Noradrenaline-L-tartrate
	60248	2-Phenoxyethanol
	63717	N-Phenyldiethanolamine
	62968	1-Phenylethanol
	63186	2-Phenylethanol
	62980	1-Phenylpropanol-(1)
	60452	2-Phenylpropanol-(1)
	60453	3-Phenylpropanol-(1)
	23158	Pyrocatechol mono-(2-hydroxy ethyl)-ether
	64349	α-Tetralol
	63086	Tetraphenylethanediol-(1,2)
	63151	Triphenylmethanol
	63156	DL-Tropic acid

2.1.3.5. Heterocyclic alcohols and alcoholates

63326	Cinchonidine
62377	Cyanuric acid
62417	Dehydroacetic acid
63353	4'-Deoxypyridoxol hydrochloride
64583	2,3-Epoxy-1-propanol
62615	Furfuryl alcohol
62672	4-Hydroxycoumarin
62846	N-(2-Hydroxyethyl)-morpholine
63522	N-(2-Hydroxyethyl)piperazine
63523	2-(2-Hydroxyethyl)pyridine
63538	4-(Hydroxymethyl)-imidazole hydrochloride
63539	N-Hydroxymethylphthalimide
63735	4-(Hydroxymethyl)-pyridine
65030	2-Hydroxymethyltetrahydropyrane
65031	2-Hydroxymethylthiophene
63550	2-(3-Hydroxypropyl)benzimidazole
64645	Indole-3-ethanol
62801	3,3'-Methylenebis(4-hydroxycoumarin)
62831	1-Methyl-4-piperidinol
63000	2-Piperidinoethanol
64806	Piperonyl alcohol
63041	Pyridyl-(2)-methanol
63042	Pyridyl-(3)-methanol
64382	Quinine
64775	3-Quinuclidinol
63157	*trans*-Tropine
64138	Xanthydrol solution
22069	5-Chloro-8-hydroxyquinolir

2.1.4. Phenols and phenolates

64254	3-Acetamidophenol
64263	4-Acetamidophenol
60095	2-Amino-4-chlorophenol
65197	3-Amino-o-cresol
65196	4-Amino-o-cresol
65198	5-Amino-o-cresol
64271	2-Amino-p-cresol
64272	4-Amino-m-cresol
63234	6-Amino-m-cresol
64269	4-Amino-2-hydroxybenzoic acid
64427	6-Amino-1-hydroxy-3-naphthalenesulphonic acid
64947	4-Amino-2-hydroxy-1-naphthalenesulphonic acid,diazotized
63236	1-Amino-7-naphthol
65200	2-Amino-6-naphthol
64426	8-Amino-1-naphthol-3,6-disulphonic acid monosodium salt
64439	2-Amino-4-nitrophenol
64440	2-Amino-5-nitrophenol
60032	2-Aminophenol
60033	3-Aminophenol
60034	4-Aminophenol
62662	4-Aminophenol hydrochloride
64525	2-Aminophenol-4-sulphonic acid
64543	2-Benzylphenol
64533	4-Benzylphenol
22003	7-Bromo-5-chloro-8-hydroxyquinoline
64358	2-Bromophenol
62622	3-Bromophenol
62214	4-Bromophenol
15271	4-Bromophenol
60494	5-Bromosalicylic acid
63281	5-Bromovanillin
63287	Butyl 4-hydroxybenzoate
62252	2-*tert.*-Butyl-4-methoxyphenol
63290	2-*tert.*-Butyl-4-methylphenol
62666	2-*sec.*-Butylphenol
62766	4-*sec.*-Butylphenol
62253	2-*tert.*-Butylphenol
60085	4-*tert.*-Butylphenol
23195	4-*tert.*-Butylpyrocatechol *contg. 15% methanol*
23194	4-*tert.*-Butylpyrocatechol *contg. 15% water*
23193	4-*tert.*-Butylpyrocatechol *(crystalline solid)*
22014	Chiniofon-sodium
63972	4-Chloro-2,6-dimethylphenol
61297	2-Chloro-4-fluorophenol
62334	Chlorogenic acidhemihydrate
64279	Chlorohydroquinone
64141	3-Chloro-4-hydroxybenzoic acid
22006	5-Chloro-7-iodo-8-hydroxyquinoline
64413	4-Chloro-2-methylphenol
62322	4-Chloro-3-methylphenol
60104	2-Chloro-4-nitrophenol
60105	4-Chloro-2-nitrophenol
60107	2-Chlorophenol
62336	3-Chlorophenol
60108	4-Chlorophenol
60111	4-Chlororesorcinol
65150	4-Chlorothymol
22016	Copper-8-hydroxyquinoline
15708	o-Cresol
15709	m-Cresol
15711	p-Cresol
63979	4-Cyclohexylresorcinol
63362	2,4-Diaminophenol dihydrochloride
61490	2,6-Dibromo-4-fluorophenol
65158	3,5-Dibromo-4-hydroxybenzaldehyde
22055	5,7-Dibromo-8-hydroxyquinoline
64007	1,6-Dibromo-2-naphthol-3-carboxylic acid
63374	2,6-Dibromo-4-nitrophenol
64684	2,4-Dibromophenol
64683	2,6-Dibromophenol
64628	3,5-Dibromosalicylic acid
62467	2,5-Di-*tert.*-butylhydroquinone
64695	3,5-Di-*tert.*-butyl-4-hydroxybenzoic acid
65176	2,6-Di-*tert.*-butyl-methylphenol
64022	2,4-Di-*sec.*-butylphenol
64496	2,4-Di-*tert.*-butylphenol
63377	2,6-Di-*tert.*-butylphenol
64850	4,6-Dichloro-o-cresol
64018	2,7-Dichlorofluorescein
22067	5,7-Dichloro-8-hydroxyquinoline
64024	2,4-Dichloronaphthol-(1)
64882	2,4-Dichloro-6-nitrophenol
63392	2,6-Dichloro-4-nitrophenol
62488	2,3-Dichlorophenol
62489	2,4-Dichlorophenol
62490	2,5-Dichlorophenol
62491	2,6-Dichlorophenol
62492	3,4-Dichlorophenol
62493	3,5-Dichlorophenol
60118	3-Diethylaminophenol
65184	Diethyl 2,5-dihydroxyterephthalate
62502	2,4-Dihydroxyacetophenone
64966	2,5-Dihydroxyacetophenone
62503	2,6-Dihydroxyacetophenone
62504	1,4-Dihydroxyanthraquinone
62505	1,8-Dihydroxyanthraquinone
63818	2,6-Dihydroxyanthraquinone
64967	2,3-Dihydroxybenzaldehyde
64529	2,5-Dihydroxybenzaldehyde
62506	3,4-Dihydroxybenzaldehyde
62507	2,5-Dihydroxybenzoic acid
63820	3,4-Dihydroxybenzoic acid
60142	3,5-Dihydroxybenzoic acid
60140	2,4-Dihydroxybenzoic acid
60141	2,6-Dihydroxybenzoic acid
63415	2,4-Dihydroxybenzophenor
64044	2,2'-Dihydroxybiphenyl
64979	4,4'-Dihydroxybiphenyl
64045	4,4'-Dihydroxybiphenylsulp
62510	3,4-Dihydroxycinnamic acic
63416	5,7-Dihydroxy-4-methylcou
65163	1-(2,4-Dihydroxyphenyl)-hexanone-(1)
63417	2,4-Dihydroxypropiopheno
64704	2,5-Dihydroxytoluene
63663	2,6-Dihydroxytoluene
64984	3,5-Diiodo-2-hydroxybenzo
22008	5,7-Diiodo-8-hydroxyquino
64982	2,3-Dimethoxyphenol
64048	2,6-Dimethoxyphenol
64983	3,5-Dimethoxyphenol
64540	3-(Dimethylamino) phenol
62540	2,3-Dimethylphenol
62541	2,4-Dimethylphenol
64556	2,5-Dimethylphenol
62542	2,6-Dimethylphenol
62543	3,4-Dimethylphenol
62544	3,5-Dimethylphenol
64067	Diphenylolcyclohexane
63426	2,6-Di-*iso*-propylphenol
64600	Dodecyl gallate
63464	Ellagic acid
63483	Ethyl salicylate
63476	Ethyl 3-hydroxybenzoate
64242	3-Ethylphenol
62051	4-Ethylphenol
70020	Ethylvanillin
61306	5-Fluoro-2-hydroxyacetoph
61429	2-Fluoro-6-nitrophenol
61325	3-Fluoro-4-nitrophenol monohydrate
61324	3-Fluoro-6-nitrophenol
61211	2-Fluorophenol
61212	3-Fluorophenol
61213	4-Fluorophenol
27645	Gallic acid
23301	Guaethol
23204	Guaiacol
20818	4-Hexylresorcinol
15616	Hydroquinone
60184	Hydroquinone monobenzy
60185	Hydroquinone monomethy
62660	2-Hydroxyacetophenone
62661	4-Hydroxyacetophenone
64625	4-Hydroxyazobenzene
64626	3-Hydroxybenzaldehyde
62665	4-Hydroxybenzaldehyde

63518	2-(4'-Hydroxybenzeneazo)benzoic acid
27733	4-Hydroxybenzoic acid
65025	4-Hydroxybenzonitrile
62669	4-Hydroxybenzophenone
61471	2-Hydroxybenzotrifluoride
61362	3-Hydroxybenzotrifluoride
62670	2-Hydroxybenzyl alcohol
64629	4-Hydroxybenzyl alcohol
65191	4-Hydroxybiphenyl
64306	*trans*-2-Hydroxycinnamic acid
62681	*trans*-3-Hydroxycinnamic acid
62682	*trans*-4-Hydroxycinnamic acid
63525	5-Hydroxyindole
63526	5-Hydroxyindol-3-yl acetic acid
63529	DL-4-Hydroxymandelic acid monohydrate
60189	2-Hydroxy-5-methoxybenzaldehyde
65161	2-Hydroxy-4-methoxybenzophenone
65174	2-Hydroxy-4-methoxybenzophenone-5-sulphonic acid
62673	4-Hydroxy-3-methoxycinnamic acid
63530	4-Hydroxy-3-methoxymandelic acid
64080	6-Hydroxy-4-methylcoumarin
62674	2-Hydroxy-1-naphthalenealdehyde
63858	1-Hydroxy-2-naphthalenecarboxylic acid
62675	3-Hydroxy-2-naphthalenecarboxylic acid
63545	2-Hydroxynaphthoquinone-(1,4)
64083	2-Hydroxy-5-nitrophenyl sulphate dipotassium salt
64635	2-Hydroxyphenylacetic acid
62677	4-Hydroxyphenylacetic acid
64636	N-(4-Hydroxyphenyl)glycine
63548	3-(4-Hydroxyphenyl)propionic acid
64084	4-Hydroxyphenylpyruvic acid
63859	2-Hydroxypropiophenone
62678	4-Hydroxypropiophenone
65027	8-Hydroxyquinaldine
60187	6-Hydroxyquinoline
22019	8-Hydroxyquinoline
22060	8-Hydroxyquinoline benzoate
22020	8-Hydroxyquinoline hydrochloride
22022	8-Hydroxyquinoline sulphate
22023	8-Hydroxyquinoline sulphate-potassium sulphate
22024	8-Hydroxyquinoline-5-sulphonic acid
63558	4-Hydroxystilbene
64641	L-5-Hydroxytryptophan
62679	3-Hydroxytyraminium chloride
63564	5-Indanol
22012	7-Iodo-8-hydroxyquinoline-5-sulphonic acid
63572	4-Iodophenol
63588	Juglone
64700	4,4'-Methylenebis(3-hydroxy-2-naphthalenecarboxylic acid)
62802	2,2'-Methylenebis(3,4,6-trichlorophenol)
64701	3,4-Methylenedioxyphenol
63888	Methyl 3-hydroxybenzoate
62668	Methyl 4-hydroxybenzoate
27305	Methyl salicylate
62843	α-Methyl-DL-tyrosine
64108	4-Methylumbelliferone
63822	1,3-Naphthalenediol
63821	1,4-Naphthalenediol
64980	Naphthalenediol-1,6
64981	Naphthalenediol-1,7
63823	Naphthalenediol-(2,6)
15803	Naphthol-(1)
15802	Naphthol-(1)
15805	Naphthol-(2)
15871	Naphthol-(2)
65056	2-Naphthol-3,6-disulphonic acid disodium salt
63544	Naphtol AS®
65216	3-Nitro-o-cresol
62887	4-Nitro-m-cresol
22071	5-Nitro-8-hydroxyquinoline
62890	2-Nitrophenol
60238	4-Nitrophenol
63693	4-Nitrosophenol
64755	L(-)-Noradrenaline-L-tartrate
63702	Orcinol monohydrate
62943	Pentachlorophenol
61369	Pentafluorophenol
16017	Phenol
16016	Phenol
16018	Phenol
22025	Phenylmercury-8-hydroxyquinoline
65087	Phloroglucinaldehyde
60256	Phloroglucinol dihydrate
27745	Picric acid
62617	Propyl gallate
63732	Propyl 4-hydroxybenzoate
23001	Pyrocatechol
23005	Pyrocatechol
23158	Pyrocatechol mono-(2-hydroxy ethyl)-ether
16101	Resorcinol
16102	Resorcinol
16157	Resorcinol monoacetate
60269	Resorcinol monomethyl ether
60270	Salicylaldehyde
60271	Salicylamide
27301	Salicylic acid
62865	Sodium pentachlorophenolate
27308	5-Sulphosalicylic acid dihydrate
63747	Syringaldehyde
64840	Syringic acid
16254	Thymol
63775	2,4,6-Tribromophenol
64902	2,3,6-Trichlorophenol
65119	2,3,4-Trichlorophenol
65120	2,3,5-Trichlorophenol
63126	2,4,5-Trichlorophenol
63127	2,4,6-Trichlorophenol
65122	2,4,6-Trihydroxybenzoic acid monohydrate
65127	2,3,5-Trimethylphenol
65128	2,3,6-Trimethylphenol
64928	2,4,6-Tris-(dimethylaminomethyl)-phenol
70010	Vanillin

2.1.5. Ethers

2.1.5.1. Aliphatic and alicyclic ethers

63246	Batyl alcohol
64314	Bis(chloromethyl)ether
61149	2,5-Bis-(trifluoromethyl)-perfluoro-3,6-dioxanonanoic acid potassium salt
61148	2,5-Bis-(trifluoromethyl)-perfluoro-3,6-- dioxanonanoyl fluoride
64378	Butyl vinyl ether
63806	*iso*-Butylvinyl ether
64390	(2-Chlorethyl)vinyl ether
65134	12-Crown-4
65135	15-Crown-5
64345	18-Crown-6
63335	1,5,9-Cyclododecatriene monoxide
63337	Cyclohexene oxide
62441	Di-*iso*-amyl ether
64820	Dibenzo-18-crown-6
24222	Di-*n*-butyl ether
64690	2,2-Dichloroethyl methyl ether
64512	Dichloromethyl methyl ether
64032	Didecyl ether
64035	Didodecyl ether
64523	1,2:3,4-Diepoxybutane
64465	1,2-Diethoxyethane
24005	Diethyl ether *(max. 0,2% H_2O)*
24004	Diethyl ether
60343	Diethyl ethoxymethylenemalonate
60120	Diethylene glycol
64472	Diethylene glycol dibutyl ether
62425	Diethylene glycol diethyl ether
62426	Diethylene glycol dimethyl ether
60439	Diethylene glycol ethyl-*tert.*-butyl ether
60438	Diethylene glycol methyl-*tert.*-butyl ether
62428	Diethylene glycol monobutyl ether
62427	Diethylene glycol monoethyl ether
62429	Diethylene glycol monomethyl ether
60440	Diethylene glycol-*n*-butyl-*tert.* butyl ether
64041	Diheptyl ether
62501	Dihexyl ether
64526	2,5-Dihydrofuran
60306	1,2-Dimethoxyethane
63454	Dioctyl ether
64992	1,3-Dioxan
24225	1,4-Dioxan
24224	1,4-Dioxan
24241	Di-*iso*-propyl ether
62581	Dipropylene glycol
64582	Epibromhydrin
62598	1,2-Epoxybutane
64583	2,3-Epoxy-1-propanol
64221	Ethoxyacetic acid
64235	4-Ethoxybenzaldehyde
63466	2-Ethoxyethyl methacrylate
64384	Ethoxymethylene-malonic acid dinitrile
64383	3-Ethoxypropylamine
64502	Ethyl diethoxyacetate
64386	Ethyl ethoxymethylenecyanoacetate
27718	Ethyl lactate

60436	Ethylene glycol ethyl-*tert.*-butyl ether
60435	Ethylene glycol methyl-*tert.*-butyl ether
24215	Ethylene glycol monobutyl ether
24206	Ethylene glycol monoethyl ether
24234	Ethylene glycol monomethyl ether
60437	Ethylene glycol-*n*-butyl-*tert.*-butyl ether
60437	Ethylene glycol-*n*-butyl-*tert.*-butyl ether
62047	Ethylene oxide
02878	Ethylglycol bromoacetate
61029	Ethylglycol tetrafluoroethyl ether
64591	Formaldehyde dimethyl acetal
64617	Hexamethylene oxide
64680	Methoxyacetic acid
63611	1-Methoxybutene(1)-in-(3) solution
60496	2-Methoxyethylamine
62771	3-Methoxypropionitrile
15775	3-Methoxypropylamine
24230	Methyl ethyl ketone
61028	Methyl glycol tetrafluoroethyl ether
65178	Pentaethylene glycol dimethyl ether
61141	(2H-Perfluoroethyl)-propen-(2)-ylether
61026	1H,1H,2H,3H,3H-Perfluorononylene oxide-(1,2)
61142	(2H-Perfluoropropyl)-propen-(2)-ylether
63010	Polyethylene glycol 200
63011	Polyethylene glycol 300
63012	Polyethylene glycol 400
63013	Polyethylene glycol 600
64810	Polyethylene glycol 2000
63014	Polyethylene glycol 1000
63015	Polyethylene glycol 1540
63016	Polyethylene glycol 4000
63017	Polyethylene glycol 6000
64811	Polyethylene glycol 10 000
60500	Polyethylene glycol dimethyl ether 200
64127	Polypropylene glycol 1025
65215	Sodiumaluminiumbis-(2-methoxyethoxy)-dihydride
63754	Tetraethylene glycol dimethyl ether
61027	Tetrafluoroethyl methyl ether
65171	1,1,2-Triethoxyethane
63113	Triethylene glycol
63114	Triethylene glycol dimethyl et
63146	1,3,5-Trioxane
60301	Vinyl ethyl ether

2.1.5.2. Aromatic ethers

64483	2-Amino-4-chlorodiphenyl ether
63219	4-Amino-4'-chlorodiphenyl ether
62759	2-Anisaldehyde
62760	3-Anisaldehyde
15169	4-Anisaldehyde
62097	Anise alcohol
62098	2-Anisidine
62099	3-Anisidine
62100	4-Anisidine
63256	4-Benzyloxyanilinium chloride
61114	2,2-Bis(4-tetrafluoroethoxyphenyl) propane
60381	4-Bromoanisole
64674	2-Bromoethylphenyl ether
63957	2-Bromo-4-nitroanisole
63958	2-Bromo-5-nitroanisole
63959	4-Bromo-3-nitroanisole
61097	4-Bromotetrafluoroethoxybenzene
63281	5-Bromovanillin
64473	4-Bromoveratrole
64233	4-Butoxyacetophenone
64763	4-Butoxyaniline
62252	2-*tert.*-Butyl-4-methoxyphenol
61101	2-*sec.*-Butyltetrafluoroethoxybenzene
64869	4-Chloro-o-anisidine
62826	2-Chloroanisole
62886	3-Chloroanisole
62288	4-Chloroanisole
64833	5-Chloro-2,4-dimethoxyaniline
65205	4-Chlorodiphenyl ether
63323	2-Chloro-5-nitroanisole
63317	4-Chloro-3-nitroanisole
63293	4-Chlorophenoxyacetic acid
15798	3-Cresoxyacetic acid
63993	4,4'-Diaminodiphenyl ether
62446	Dibenzyl ether
64694	2,3-Dichloroanisole
64702	2,6-Dichloroanisole
64892	2,3-Dichlorophenoxyacetic acid
64531	2,4-Dimethoxyacetophenone
64549	2,4-Dimethoxyaniline
62511	2,5-Dimethoxyaniline
64532	3,4-Dimethoxyaniline
64534	3,5-Dimethoxyaniline
63824	2,3-Dimethoxybenzaldehyde
62512	2,4-Dimethoxybenzaldehyde
62513	2,5-Dimethoxybenzaldehyde
64535	3,5-Dimethoxybenzaldehyde
64985	2,3-Dimethoxybenzoic acid
63825	2,4-Dimethoxybenzoic acid
64536	2,6-Dimethoxybenzoic acid
64986	3,5-Dimethoxybenzoic acid
64989	2,6-Dimethoxybenzonitrile
62516	3,4-Dimethoxybenzonitrile
63826	*trans*-2,4-Dimethoxycinnamic acid
63428	*trans*-3,4-Dimethoxycinnamic acid
64982	2,3-Dimethoxyphenol
64048	2,6-Dimethoxyphenol
64983	3,5-Dimethoxyphenol
60144	3,4-Dimethoxyphenylacetic acid
64061	2,4-Dinitroanisole
60157	Diphenyl ether
23225	Ethyl guaiacol glycolate
70020	Ethylvanillin
61204	2-Fluoroanisole
61205	3-Fluoroanisole
61206	4-Fluoroanisole
61159	4-Fluorodiphenyl ether
61316	3-Fluoro-4-methoxyacetophenone
61317	3-(3-Fluoro-4-methoxybenzoyl)-propionic acid
61503	4-Fluorophenoxyacetic acid
23301	Guaethol
23204	Guaiacol
63516	Homoveratrylamine
60182	Hydroquinone dimethyl ether
60184	Hydroquinone monobenzyl ether
60185	Hydroquinone monomethyl ether
60189	2-Hydroxy-5-methoxybenzaldehyde
65161	2-Hydroxy-4-methoxybenzophenone
65174	2-Hydroxy-4-methoxybenzophenone-5-sulphonic acid
62673	4-Hydroxy-3-methoxycinnamic acid
63530	4-Hydroxy-3-methoxymandelic acid
63864	2-Iodoanisole
63865	3-Iodoanisole
62704	4-Iodoanisole
63870	2-Methoxyacetophenone
63871	3-Methoxyacetophenone
62758	4-Methoxyacetophenone
62761	2-Methoxybenzoic acid
63610	3-Methoxybenzoic acid
60210	4-Methoxybenzoic acid
64276	4-Methoxybenzonitrile
63872	3-Methoxybenzoyl chloride
60312	4-Methoxybenzoyl chloride
62764	2-Methoxybenzyl alcohol
62765	3-Methoxybenzyl alcohol
64607	*trans*-2-Methoxycinnamic aci
64999	*trans*-3-Methoxycinnamic aci
64998	*trans*-4-Methoxycinnamic aci
64682	1-Methoxynaphthalene
60211	2-Methoxynaphthalene
63612	4-Methoxy-3-nitroacetophen
64950	2-Methoxy-4-nitroaniline
62767	4-Methoxy-2-nitroaniline
65000	2-Methoxyphenylacetic acid
62769	3-Methoxyphenylacetic acid
62770	4-Methoxyphenylacetic acid
62768	4-Methoxy-m-phenylenediam
65208	4-Methoxy-o-phenylenediammonium chlor
63613	4-Methoxypropiophenone
62772	6-Methoxy-1,2,3,4-tetrahydronaphthalinone-(1)
64701	3,4-Methylenedioxyphenol
64614	Methyl 2-methoxybenzoate
61110	Methyl 4-tetrafluoroethoxybenzoate
64735	2-Nitroanisole
64736	4-Nitroanisole
60239	4-Nitroveratrole
61364	2,3,4,5,6-Pentafluoroanisole
62963	o-Phenetidine
60245	p-Phenetidine
63708	Phenetole
64783	Phenoxyacetic acid
62964	2-Phenoxybenzoic acid
60248	2-Phenoxyethanol
63710	2-Phenoxypropionic acid
63711	2-Phenoxypropionyl chloride
65080	3-Phenoxypropyl bromide
63744	Phenylethylene oxide
63003	Piperonylamine
63018	Polyvinyl alcohol
23158	Pyrocatechol mono-(2-hydro ethyl)-ether
60267	Resorcinol dimethyl ether
60269	Resorcinol monomethyl ethe
64832	Safrole
63747	Syringaldehyde
64840	Syringic acid
61106	3-Tetrafluoroethoxyaniline
61107	2-Tetrafluoroethoxybenzalde
61108	3-Tetrafluoroethoxybenzalde

61109 4-Tetrafluoroethoxybenzaldehyde
61096 Tetrafluoroethoxybenzene
61111 4-Tetrafluoroethoxybenzenesulphonyl chloride
61113 2-Tetrafluoroethoxynaphthalene
61102 2-Tetrafluoroethoxynitrobenzene
61103 3-Tetrafluoroethoxynitrobenzene
61104 4-Tetrafluoroethoxynitrobenzene
61105 2-Tetrafluoroethoxy-5-nitrotoluene
61098 2-Tetrafluoroethoxytoluene
61099 3-Tetrafluoroethoxytoluene
61100 4-Tetrafluoroethoxytoluene
63779 2,4,5-Trichlorophenoxyacetic acid
65123 2,3,4-Trimethoxyacetophenone
63788 2,4,5-Trimethoxyacetophenone
64906 3,4,5-Trimethoxyacetophenone
63789 2,4,6-Trimethoxybenzaldehyde
63131 3,4,5-Trimethoxybenzaldehyde
64907 1,2,4-Trimethoxybenzene
65125 1,2,3-Trimethoxybenzene
65126 1,3,5-Trimethoxybenzene
63132 3,4,5-Trimethoxybenzoic acid
64908 3,4,5-Trimethoxybenzonitrile
63790 2,4,5-Trimethoxybenzophenone
63791 *trans*-3,4,5 Trimethoxycinnamic acid
64911 3,4,5-Trimethoxyphenylacetic acid
70010 Vanillin
60298 Veratraldehyde
60299 Veratric acid
23106 Veratrole
60300 Veratryl cyanide
64941 Veratrylamine

2.1.5.3. Heterocyclic ethers

62061 Allylglycide ether
62249 *n*-Butyl glycidyl ether
62316 2-Chloro-6-methoxypyridine
62417 Dehydroacetic acid
62421 2,5-Diethoxytetrahydrofuran
62518 *cis,trans*-2,5-Dimethoxytetrahydrofuran
63590 Khellin
65181 2-Methoxy-1,4-dioxan
64373 5-Methoxyindole
65182 2-Methoxytetrahydrofuran
63001 Piperine
64806 Piperonyl alcohol
64382 Quinine
63076 2+3-(Tetrahydrofurfuryloxy)tetrahydropyran
63773 Triallyl cyanurate

2.1.6. Aldehydes and acetals

60471 Acetaldehyde
65172 Acetaldehyde diethyl acetal
62002 4-Acetamidobenzaldehyde
63589 Acetoacetaldehyde-1-dimethylacetal
64222 1-Acetyl-3-indolaldehyde
60008 Acrolein
64207 Acrolein diethyl acetal
64334 Aldoldimethylacetal
64317 Aminoacetaldehyde diethyl acetal
64257 Aminoacetaldehyde dimethyl acetal
65139 2-Aminobenzaldehyde
64290 3-Aminobenzaldehyde
64282 4-Aminobenzaldehyde
62759 2-Anisaldehyde
62760 3-Anisaldehyde
02874 Bromoacetaldehyde diethyl acetal
15169 4-Anisaldehyde
64285 9-Anthracenecarbaldehyde
15173 Benzaldehyde
64819 Benzaldehyde-2,4-disulphonic acid disodium salt dihydrate
64332 Bromal
62160 Bromoacetaldehyde diethyl acetal
64329 Bromoacetaldehyde dimethyl acetal
62173 2-Bromobenzaldehyde
62174 3-Bromobenzaldehyde
62175 4-Bromobenzaldehyde
61172 3-Bromo-4-fluorobenzaldehyde
64826 1-Bromo-2-naphthaldehyde
63281 5-Bromovanillin
15263 *n*-Butyraldehyde
15687 *iso*-Butyraldehyde
62259 Caprinaldehyde
62263 Capronaldehyde
62266 Caprylaldehyde
60092 Chloral
15307 Chloral hydrate
62290 2-Chlorobenzaldehyde
62291 3-Chlorobenzaldehyde
62292 4-Chlorobenzaldehyde
63309 2-Chloro-4-dimethylaminobenzaldehyde
61394 2-Chloro-6-fluorobenzaldehyde
63182 *trans*-Cinnamaldehyde
62363 Citral
62364 Crotonaldehyde
62387 Cyclohexanecarbaldehyde
65158 3,5-Dibromo-4-hydroxybenzaldehyde
62478 2,4-Dichlorobenzaldehyde
62479 2,6-Dichlorobenzaldehyde
62480 3,4-Dichlorobenzaldehyde
63407 4-Diethylaminobenzaldehyde
64967 2,3-Dihydroxybenzaldehyde
64529 2,5-Dihydroxybenzaldehyde
62506 3,4-Dihydroxybenzaldehyde
63824 2,3-Dimethoxybenzaldehyde
62512 2,4-Dimethoxybenzaldehyde
62513 2,5-Dimethoxybenzaldehyde
64535 3,5-Dimethoxybenzaldehyde
64539 N,N-Dimethylacetamide dimethyl acetal
60146 4-Dimethylaminobenzaldehyde
64550 N,N-Dimethylformamide diethyl acetal
64551 N,N-Dimethylformamide dimethyl acetal
64563 2,4-Dinitrobenzaldehyde
62563 Diphenylacetaldehyde
62925 Enanthaldehyde
64235 4-Ethoxybenzaldehyde
64955 2-Ethylbuten-(2)-al
70020 Ethylvanillin
61268 2-Fluorobenzaldehyde
61269 3-Fluorobenzaldehyde
61270 4-Fluorobenzaldehyde
61427 3-Fluoro-6-nitrobenzaldehyde
61428 4-Fluoro-2-nitrobenzaldehyde
64591 Formaldehyde dimethyl acetal
15512 Formaldehyde solution *37% by weight*
15513 Formaldehyde solution *35—37% by weight*
15517 Furfural
62621 Glutardialdehyde solution
60487 Glutardialdehyde solution
63493 D(+)-Glyceraldehyde
62345 Glycolaldehyde
15520 Glyoxal solution *about 40%*
15519 Glyoxal solution *abt. 30%*
63495 Glyoxylic acid monohydrate
15580 Glyoxylic acid solution *about 50%*
15608 Heliotropin
64078 2-Hexene-(1)-al
60476 4-Hexylbenzaldehyde
62683 Hydrocinnamaldehyde
65148 2-Hydroxyacetaldehyde diethylacetal
64626 3-Hydroxybenzaldehyde
62665 4-Hydroxybenzaldehyde
60189 2-Hydroxy-5-methoxybenzaldehyde
62674 2-Hydroxy-1-naphthalenealdehyde
62721 Lauraldehyde
62781 4-Methylbenzaldehyde
63924 3-Methylbenzaldehyde
60443 2-Methylbutyraldehyde
62821 1-Methylpentanal
63657 N-Methylpyrrolaldehyde-(2)
63667 Mucobromic acid
63668 Mucochloric acid
63671 Naphthaldehyde-(1)
63672 Naphthaldehyde-(2)
62875 3-Nitrobenzaldehyde
62876 4-Nitrobenzaldehyde
65218 4-Nitrocinnamalaldehyde
65071 2-Nitrocinnamaldehyde
60446 *iso*-Nonylaldehyde
16005 Paraformaldehyde
16004 Paraldehyde
64766 Pelargonaldehyde
61367 Pentafluorobenzaldehyde
62965 Phenylacetaldehyde dimethyl acetal
65081 Phenylacetaldehyde solution
64122 Phenylglyoxal
50447 2-Phenylpropionaldehyde
65087 Phloroglucinaldehyde
62990 Phthalaldehydic acid
63727 Phthaldialdehyde
62696 *iso*-Phthaldialdehyde
64593 1-Piperidinecarbaldehyde
16535 Pivalaldehyde
16032 Propionaldehyde
63027 4-*iso*-Propylbenzaldehyde
60477 4-Propylbenzaldehyde

64128 Pyridylaldehyde-(2)
64129 Pyridylaldehyde-(3)
64130 Pyridylaldehyde-(4)
64830 2-Pyrrolecarbaldehyde
60270 Salicylaldehyde
63747 Syringaldehyde
63058 Terephthalaldehyde
65168 1,1,3,3-Tetraethoxypropane
61107 2-Tetrafluoroethoxybenzaldehyde
61108 3-Tetrafluoroethoxybenzaldehyde
61109 4-Tetrafluoroethoxybenzaldehyde
63757 1,2,3,6-Tetrahydrobenzaldehyde
63096 Thiophenecarbaldehyde-(2)
65171 1,1,2-Triethoxyethane
61385 Trifluoroacetaldehyde ethyl hemiacetal
61384 Trifluoroacetaldehyde hydr
63789 2,4,6-Trimethoxybenzaldeh
63131 3,4,5-Trimethoxybenzaldeh
64914 2,4,6-Trimethylbenzaldehyc
60441 *n*-Valeraldehyde
60442 *iso*-Valeraldehyde
70010 Vanillin
60298 Veratraldehyde

2.1.7. Ketones and ketals

2.1.7.1. Aliphatic and alicyclic ketones and ketals

63589 Acetoacetaldehyde-1-dimethylacetal
62004 Acetoacetanilide
24201 Acetone
60006 Acetylacetone
63945 Allylacetone
63950 Amyl *iso*-propyl ketone
15306 1,4-Benzoquinone
64794 (+)-3-Bromocamphor
64787 (+)-3-Bromocamphor-8-sulphonic acid ammonium salt
64338 (+)-3-Bromocamphor-8-sulphonic acid monohydrate
64339 (+)-3-Bromocamphor-10-sulphonic acid monohydrate
64730 3-Bromo-2-oxobutyric acid
63285 Butyl heptyl ketone
64205 *tert.*-Butylacetoacetate
62248 4-*tert.*-Butylcyclohexanone
64708 D(+)-Camphorsulphonic acid
64392 o-Chloranil
62284 p-Chloranil
64398 3-Chloro-2-butanone
62307 2-Chlorocyclohexanone
62342 1-Chloropropanone
64444 Cyclododecanone
62381 Cycloheptanone
64537 1,2-Cyclohexanedione
64542 1,4-Cyclohexanedione
24218 Cyclohexanone
64455 2-Cyclohexen-1-one
62400 Cyclooctanone
63342 Cyclopentadecanone
62404 Cyclopentanone
62408 Cyclopropyl methyl ketone
62412 Decanone-(2)
62413 Decanone-(3)
24220 Diacetone alcohol
62420 Diacetyl
63378 1,3-Dichloroacetone
62484 2,3-Dichloro-5,6-dicyan-p-benzoquinone
61414 1,3-Dichloro-1,1,3,3-tetrafluoroacetone
63406 Didecyl ketone
64414 Diethyl acetone dicarboxylate
62431 Diethyl ketone
63410 Diheptyl ketone
63411 Dihexyl ketone
62517 2,2-Dimethoxypropane
62007 Dimethyl acetonedicarboxylate
65136 2,6-Dimethylcyclohexanone
64552 2,6-Dimethyl-2,5-heptadiene-4-one
62539 2,4-Dimethylpentanone-(3)
63452 Dinonyl ketone
63455 Dioctyl ketone
63461 Ditridecyl ketone
60003 Ethyl acetoacetate
64204 Ethyl acetoacetate, sodium derivative
64658 Ethyl levulinate
62159 Ethyl pyruvate
63477 Ethyl *iso*-butyl ketone
64387 Ethyl 2-chloroacetoacetate
64883 Ethyl 4-chloroacetoacetate
64504 Ethyl α,α-diethylacetoacetate
63479 Ethyl *iso*-propyl ketone
65149 Ethyl 4,4,4-trifluoroacetoacetate
64092 Heptanone-(2)
62628 Heptanone-(3)
62629 Heptanone-(4)
62633 Hexachloroacetone
62637 Hexadecanone-(3)
61357 Hexafluoroacetylacetone
62642 2,5-Hexanedione
62646 Hexanone-(2)
62647 Hexanone-(3)
65022 Hydroxyacetone
62671 3-Hydroxybutanone-(2)
63537 2-Hydroxy-2-methylbutano
62711 α-Ionone
63577 β-Ionone
62695 Isophorone
63594 Levulinic acid
62744 Mesityl oxide
64206 Methyl acetoacetate
60224 Methyl propyl ketone
63659 Methyl pyruvate
62844 Methyl vinyl ketone
64686 Methyl-1,4-benzoquinone
60222 Methyl *iso*-butyl ketone
64388 Methyl 2-chloroacetoaceta
64692 2-Methyl-1,3-cyclohexaned
65001 3-Methylcyclohexanone
64697 4-Methylcyclohexanone
60433 2-Methylcyclopentanedion
64897 2-Methyl-3-heptanone
63637 5-Methyl-3-heptanone
62808 5-Methyl-2-hexanone-(2)
63913 Nonanone-(2)
62908 Nonanone-(3)
62909 Nonanone-(5)
62918 Octanone-(2)
62919 Octanone-(3)
63704 Oxalacetic acid
62714 2-Oxobutyric acid
27624 Pyruvic acid
64662 Pyruvic acid nitrile
63081 α-Tetralone
61456 1,1,1-Trichloro-3,3,3-trifluoroacetone
63129 Tridecanone-(2)
01815 1,1,1-Trifluoroacetone
61388 Trifluoroacetylacetone
63165 2-Undecanone
63501 4-Undecanone
63286 5-Undecanone
63366 6-Undecanone

2.1.7.2. Aromatic ketones and ketals

64200 Acenaphthenequinone
15007 Acetophenone
64360 2-Acetylbenzoic acid
63199 2-Acetylfluorene
62015 2-Acetylnaphthalene
63200 3-Acetylphenanthrene
62066 2-Aminoacetophenone
62067 3-Aminoacetophenone
62068 4-Aminoacetophenone
62069 1-Aminoanthraquinone
62070 2-Aminoanthraquinone
64265 2-Aminobenzophenone
63210 4-Aminobenzophenone
64275 2-Aminobenzophenone-2'-carboxylic acid
62076 2-Amino-5-chlorobenzophenone
62101 Anthraquinone
64510 Anthraquinone-2-sulphonic acid sodium salt
62113 Benzil
15249 Benzoin
60050 Benzophenone
64789 Benzoyl cyanide
64298 Benzoyl formaldehyde oxime
62124 Benzoylacetone
62125 2-Benzoylbenzoic acid
64299 3-Benzoylpropionic acid
61218 Benzoyl-1,1,1-trifluoroacetone
62137 Benzyl methyl ketone
62139 Benzyl propyl ketone
62130 Benzylacetone
62132 Benzylideneacetone
62133 Benzylideneacetophenone
64790 Benzyl-*iso*-propyl ketone
60415 α-Bromoacetophenone
65142 3-Bromoacetophenone
62163 4-Bromoacetophenone
62171 2-Bromoanisole
62172 3-Bromoanisole
61483 ω-Bromo-4-fluoroacetophe
62223 2-Bromopropiophenone
64283 Bromopyruvic acid
64233 4-Butoxyacetophenone
62256 Butyrophenone
64565 ω-Chloroacetophenone
62276 4-Chloroacetophenone
62289 1-Chloroanthraquinone

62297 4-Chlorobenzophenone
65177 ω-Chlorobutyrophenone
63305 4-Chlorobutyrophenone
61514 2-Chloro-4'-fluorobenzophenone
61124 ω-Chloro-4-fluorobutyrophenone
61487 2-Chloro-6-fluorophenyl acetone
61497 2-(2-Chloro-6-fluorophenyl)-acetoacetic acid
61498 2-(2-Chloro-6-fluorophenyl)-acetoacetnitrile
62418 Deoxybenzoin
64576 3,5-Diacetoxy-acetophenone
63356 1,4-Diaminoanthraquinone
62443 Dibenzosuberone
60124 Dibenzoylmethane
64001 1,5-Dibenzoylnaphthalene
62449 ω,4-Dibromoacetophenone
64015 2,5-Dichloroacetophenone
63390 2,3-Dichloronaphthoquinone-(1,4)
61158 4,4'-Difluorbenzophenone
61515 2,4'-Difluorobenzophenone
62502 2,4-Dihydroxyacetophenone
64966 2,5-Dihydroxyacetophenone
62503 2,6-Dihydroxyacetophenone
62504 1,4-Dihydroxyanthraquinone
62505 1,8-Dihydroxyanthraquinone
63818 2,6-Dihydroxyanthraquinone
63415 2,4-Dihydroxybenzophenone
65163 1-(2,4-Dihydroxyphenyl)-hexanone-(1)
63417 2,4-Dihydroxypropiophenone
64531 2,4-Dimethoxyacetophenone
64053 2,5-Dimethylbenzophenone
64054 3,4-Dimethylbenzophenone
62564 1,3-Diphenylacetone
62126 Ethyl benzoylacetate
62041 Ethyl benzyl ketone
62039 2-Ethylanthraquinone
62607 Fluorenone-(9)
61254 2-Fluoroacetophenone
61256 4-Fluoroacetophenone
61279 2-Fluorobenzophenone
61280 4-Fluorobenzophenone
61511 3-(4-Fluorobenzoyl)-propionic acid
61306 5-Fluoro-2-hydroxyacetophenone
61307 4-(3-Fluoro-4-hydroxyphenyl)butyric acid
61316 3-Fluoro-4-methoxyacetophenone
61317 3-(3-Fluoro-4-methoxybenzoyl)-propionic acid
61493 2-(2-Fluorophenyl)-acetoacetic acid
61494 2-(4-Fluorophenyl)-acetoacetic acid
61495 2-(2-Fluorophenyl)-acetoacetnitrile
61496 2-(4-Fluorophenyl)-acetoacetnitrile
61161 2-Fluorophenylacetone
61164 4-Fluorophenylacetone
61348 4-Fluoropropiophenone
62660 2-Hydroxyacetophenone
62661 4-Hydroxyacetophenone
62669 4-Hydroxybenzophenone
65161 2-Hydroxy-4-methoxybenzophenone
65174 2-Hydroxy-4-methoxybenzophenone-5-sulphonic acid
63545 2-Hydroxynaphthoquinone-(1,4)
64084 4-Hydroxyphenylpyruvic acid
63859 2-Hydroxypropiophenone
62678 4-Hydroxypropiophenone
63563 Indanedione-(1,3)
62349 Indanone-(1)
63588 Juglone
63870 2-Methoxyacetophenone
63871 3-Methoxyacetophenone
62758 4-Methoxyacetophenone
63612 4-Methoxy-3-nitroacetophenone
63613 4-Methoxypropiophenone
62772 6-Methoxy-1,2,3,4-tetrahydronaphthalinone-(1)
62776 4-Methylacetophenone
62778 1-Methylaminoanthraquinone
63901 3-Methylpropiophenone
63905 1,2-Naphthoquinone
64727 1,4-Naphthoquinone
62870 2-Nitroacetophenone
62871 3-Nitroacetophenone
62872 4-Nitroacetophenone
61366 Pentafluoroacetophenone
62961 Phenanthrenequinone-(9,10)
64946 4-Phenylacetophenone
64122 Phenylglyoxal
63720 2-Phenylindanedione-(1,3)
65084 4-Phenylphenacyl bromide
64787 Phenylpyruvic acid
63725 Phenylpyruvic acid sodium salt
63025 Propiophenone
64859 Tetramethyl-1,4-benzoquinone
63088 Tetraphenylcyclopentadiene-(2,4)-on-(1)
63772 1,3,5-Triacetylbenzene
61461 2-Trifluoromethylacetophenone
61462 4-Trifluoromethylacetophenone
61153 N-[2'-(Trifluoromethyl)-phenyl]-β-cetobutyramide
65123 2,3,4-Trimethoxyacetophenone
63788 2,4,5-Trimethoxyacetophenone
64906 3,4,5-Trimethoxyacetophenone
63790 2,4,5-Trimethoxybenzophenone
63792 2,4,6-Trimethylacetophenone
63171 Valerophenone

2.1.7.3. Heterocyclic ketones and ketals

63939 2-Acetylbutyrolactone
64222 1-Acetyl-3-indolaldehyde
64228 3-Acetylindole
64217 2-Acetyl-N-methylpyrrole
62013 4-Acetylmorpholine
62016 2-Acetylpyridine
62017 3-Acetylpyridine
62018 4-Acetylpyridine
64210 2-Acetylpyrrole
65159 2-Acetylthiophen
64208 Acridanone
63203 Allantoin
64443 6-Aminopenicillanic acid
64300 2-Benzoylpyridine
62329 3-Benzoylpyridine
62391 4-Benzoylpyridine
62129 2-Benzoylthiophene
62138 1-Benzylpiperidinone-(4)
61171 3-Bromo-4-fluoroacetophenone
64657 5-Bromoisatine
65185 5-Bromothiophenecarbaldehyde-2
60431 1,1'-Carbonyldiimidazole
63965 2-Chlorobenzal bromide
15705 Creatinine
63986 Dehydroacetic acid sodium salt
63987 N,N-Diacetylaminorhodanine
63372 1,3-Dibromo-5,5-dimethylhydantoine
64960 Dichlorocyanuric acid
63387 1,3-Dichloro-5,5-dimethylhydantoine
64042 Dihydrocoumarin
60426 2,4-Dimethyl-5-acetylthiazole
65155 5,5-Dimethylhydantoin
64568 5,5-Diphenylhydantoin
64074 Furfuralacetone
62656 Hydantoin
63991 5-Hydroxybarbituric monohydrate
64080 6-Hydroxy-4-methylcoumarin
63542 3-Hydroxy-2-methyl-1,4-pyrone
63590 Khellin
63614 2-Methoxypyridine
64096 6-Methylcoumarin
62801 3,3'-Methylenebis(4-hydroxycoumarin)
62832 1-Methyl-4-piperidinone
15780 N-Methylpyrrolidone-(2)
64105 N-Methylrhodanine
62932 5-Oxo-L-proline
62975 1-Phenyl-3-methylpyrazolone-(5)
63001 Piperine
63030 4-Propyl-2-thiouracil
64824 2,2'-Pyridil
63046 Pyrrolidone-(2)
61381 1-[Thenoyl-(2')]-3,3,3,-trifluoroacetone
65104 2,4-Thiazolidinedione
63095 2-Thiohydantoin
65115 Trichloro-iso-cyanuric acid
63810 N-Vinylpyrrolidone-(2)
63181 Xanthone

2.1.8. Carboxylic acids and salts

2.1.8.1. Aliphatic and alicyclic unsubstituted carboxylic acids and salts

27221 Acetic acid *99—100%*
27279 Acetic acid *99—100%*
27222 Acetic acid *99—100%*
27225 Acetic acid *min. 99,5%*
27264 Acetic acid *90%*
27218 Acetic acid *80%*
62010 Acetylenedicarboxylic acid
62011 Acetylenedicarboxylic acid monopotassium salt
63201 *trans*-Aconitic acid
64209 *cis*-Aconitine
62023 Acrylic acid
64202 1-Adamantaneacetic acid
62028 1-Adamantanecarboxylic acid
27635 Adipic acid

64890 Allylmalonic acid
62104 Azelainic acid
63247 Behenic acid
64726 2-Bromooctanoic acid
62234 3-Butenoic acid
60083 Butyl malonic acid
27626 *n*-Butyric acid
27628 *iso*-Butyric acid
60088 *n*-Caproic acid
27633 *n*-Caprylic acid
62365 Crotonic acid
64441 Cyclobutanoic acid
64447 Cyclohexanecarboxylic acid
62402 Cyclopentanecarboxylic acid
62407 Cyclopropanecarboxylic acid
63984 Decylsuccinic acid
64506 Diethylmalonic acid
62526 3,3-Dimethylbutyric acid
63836 2,4-Dimethylglutaric acid
62532 3,3-Dimethylglutaric acid
64976 Dimethylmalonic acid
63447 2,3-Dimethylsuccinic acid
64578 Dodecanedioic acid
64070 Dodecylsuccinic acid
62926 Enanthic acid
63465 Erucic acid
62042 2-Ethylbutyric acid
15061 2-Ethylhexanoic acid
64357 Ethylmalonic acid

27002 Formic acid *about 85 %*
27001 Formic acid *98–100 %*
62609 Fumaric acid
64595 Fumaric acid disodium salt
64604 Glutaric acid
63599 Heptadecanoic acid
60461 Isooctadecanoic acid
62698 Itaconic acid
62722 Lauric acid
62155 Lead(IV) acetate
65039 Linoleic acid
62730 Maleic acid
27711 Malonic acid
27712 Malonic acid
62742 Mesaconic acid
62747 Methacrylic acid
62793 3-Methyl-2-butenoic acid
64691 DL-2-Methylbutyric acid
63632 2-Methylglutaric acid
65043 Methylmalonic acid
64709 2-Methylsuccinic acid
62847 Myristic acid
60459 *iso*-Nonanoic acid
60457 *iso*-Octanoic acid
64120 Octylsuccinic acid
27728 Oleic acid
27730 Oxalic acid
27725 Oxalic acid dihydrate *cryst.*
27726 Oxalic acid dihydrate *powder*

27736 Oxalic acid dihydrate *cryst.*
64598 Palladium(II) acetate
27734 Palmitic acid
62939 Pelargonic acid
64773 Pentadecanoic acid
62997 Pimelic acid
63021 Propiolic acid
27747 Propionic acid
27805 Sebacic acid
63050 Silver acetate
63742 Sorbic acid
27403 Stearic acid
27405 Stearic acid
63933 Suberic acid
27616 Succinic acid
62146 Succinic acid disodium salt hexahydrate
64855 Tetradecanedioic acid
64867 Thallium(III) acetate sesquihydrate
63093 Thioacetic acid
63102 Tiglic acid
63782 Tridecanoic acid
60460 *iso*-Tridecanoic acid
63803 Undecanoic acid
27817 Undecylenic acid
27818 Valeric acid
60456 *iso*-Valeric acid

2.1.8.2. Aliphatic and alicyclic substituted carboxylic acids and salts

62001 2-Acetamidoacrylic acid
63216 DL-3-Aminobutyric acid
64266 4-Aminobutyric acid
63214 DL-2-Aminobutyric acid
62075 6-Aminocaproic acid
63227 DL-4-Amino-3-hydroxybutyric acid
63238 DL-2-Aminopimelic acid
15155 L-Asparagine monohydrate
27608 L-Aspartic acid
61149 2,5-Bis-(trifluoromethyl)-perfluoro-3,6-dioxanonanoic acid potassium salt
27202 Bromoacetic acid
62183 2-Bromobutyric acid
64753 α-Bromo-*iso*-butyric acid
64348 2-Bromocaproic acid
64608 2-Bromodecanoic acid
64621 2-Bromododecanoic acid
64633 2-Bromoheptanoic acid
64637 2-Bromohexadecanoic acid
64721 2-Bromononanoic acid
64730 3-Bromo-2-oxobutyric acid
62219 2-Bromopropionic acid
62627 3-Bromopropionic acid
63279 Bromosuccinic acid
64731 2-Bromotetradecanoic acid
64734 2-Bromoundecanoic acid
63280 11-Bromoundecanoic acid
63268 2-Bromovaleric acid
02879 2-Bromo-*iso*-valeric acid
27203 Chloroacetic acid
62313 Chloroacetic acid sodium salt
64839 4-Chlorobutyric acid
61224 Chlorodifluoroacetic acid
15388 2-Chloropropionic acid
62344 3-Chloropropionic acid
27109 Citric acid
27102 Citric acid monohydrate *gritty*
27104 Citric acid monohydrate *powder*

15704 Creatine monohydrate
15722 Creatinine hydrochloride
15798 3-Cresoxyacetic acid
27206 Cyanoacetic acid
15337 L(+)-Cysteine hydrochloride
63358 DL-2,4-Diaminobutyryl dihydrochloride
64507 1,6-Diaminohexane-N,N,N',N'-tetraacetic acid
63999 2,6-Diaminopimelic acid
64379 Dibromoacetic acid
64005 2,3-Dibromobutyric acid
63375 2,3-Dibromopropionic acid
62452 2,3-Dibromosuccinic acid
27208 Dichloroacetic acid
64792 2,5-Dichlorobenzoic acid
64842 2,3-Dichloroisobutyric acid sodium salt
64961 2,3-Dichloropropionic acid
63395 2,2-Dichloropropionic acid sodium salt
64831 *meso*-2,3-Dichlorosuccinic acid
64037 Diethylenetriaminepentaacetic acid
64038 Diethylenetriaminepentaacetic acid pentasodium salt
62509 Dihydroxyfumaric acid
63460 4,4'-Dithiodibutyric acid
64221 Ethoxyacetic acid
27248 Ethylenediaminetetraacetic acid
64072 Ethylenediaminetetraacetic acid dipotassium salt dihydrate
27285 Ethylenediaminetetraacetic acid disodium salt dihydrate
27270 Ethylenediaminetetraacetic acid disodium salt dihydrate
27261 Ethylenediaminetetraacetic acid tetrasodium salt
64073 Ethylenediaminetetraacetic acid trisodium salt
61291 Fluoroacetic acid sodium salt

61304 4-Fluoroglutamic acid
63492 Gibberellic acid
64784 Gluconic acid potassium sa
62620 Gluconic acid sodium salt
27647 L(+)-Glutamic acid
60172 Glycine
15527 Glycine
27674 Glycollic acid
63495 Glyoxylic acid monohydrat
15580 Glyoxylic acid solution *abo*
65023 Hydantoic acid
63519 DL-2-Hydroxybutyric acid
63527 2-Hydroxy-*iso*-butyric acid
65026 4-Hydroxybutyric acid sod
63547 2-Hydroxyhexadecanoic ac
63549 3-Hydroxypropionic acid
63557 12-Hydroxystearic acid
63543 2-Hydroxytetradecanoic ac
65036 Iminodiacetic acid
63562 Iminodiacetic acid disodiu
62707 Iodoacetic acid
62708 Iodoacetic acid sodium sa
27714 Lactic acid
63592 L(+)-Lactic acid solution
63594 Levulinic acid
27606 Malic acid
62033 L(-)-Malic acid
62739 2-Mercaptopropionic acid
62740 3-Mercaptopropionic acid
62738 Mercaptosuccinic acid
64672 Mesoxalic acid monohydra
63608 L-Methionine sulphone
63609 L-Methionine sulphoxide
63745 DL-Methionine sulphoxide
64680 Methoxyacetic acid
62777 2-Methylalanine
64669 Monomethyl malonate pot salt

64834 Mucic acid
63667 Mucobromic acid
63668 Mucochloric acid
63704 Oxalacetic acid
62714 2-Oxobutyric acid
65075 D-Pantothenic acid solution
61258 2,2,3,3,3-Pentafluoropropionic acid
61354 Perfluorobutyric acid
61447 Perfluoroglutaric acid
61033 Perfluoroheptanoic acid
61036 Perfluorononanoic acid
61035 Perfluorooctanoic acid
61380 Perfluorosuccinic acid
27624 Pyruvic acid
62272 Quinic acid
16145 Sarcosine
10411 Silver trifluoroacetate
63177 *meso*-Tartaric acid monohydrate
27504 L(+)-Tartaric acid *gritty*
27506 L(+)-Tartaric acid *powder*
63176 D(-)-Tartaric acid
63923 DL(-)-Tartaric acid
64132 Taurocholic acid sodium salt
61361 Thallium(III) trifluoroacetate
64862 Thioacetic acid potassium salt
63092 2,2'-Thiodiacetic acid
63766 3,3'-Thiodipropionic acid
60280 Thioglycollic acid
27813 Thioglycollic acid *80%*
65111 Tribromoacetic acid
27242 Trichloroacetic acid
61030 Trifluoroacetic acid
61259 Trifluoroacetic acid sodium salt
20831 Urethane

2.1.8.3. Aromatic unsubstituted carboxylic acids and salts

62120 1,2,3-Benzenetricarboxylic acid
62121 1,2,4-Benzenetricarboxylic acid
62122 1,3,5-Benzenetricarboxylic acid
62123 1,2,4-Benzenetricarboxylic acid anhydride-1,2
18102 Benzoic acid
64544 Benzylmalonic acid
62149 2-Biphenylcarboxylic acid
62150 4-Biphenylcarboxylic acid
62151 2,2'-Biphenyldicarboxylic acid
62242 4-*tert.*-Butylbenzoic acid
64393 3-Chlorobenzoic acid
63185 Cinnamic acid
64545 α-Cyclohexylphenylacetic acid
64987 2,4-Dimethylbenzoic acid
64988 3,4-Dimethylbenzoic acid
63434 3,5-Dimethylbenzoic acid
62571 Diphenylacetic acid
62657 Hydratropic acid
62684 Hydrocinnamic acid
62782 2-Methylbenzoic acid
62783 3-Methylbenzoic acid
62784 4-Methylbenzoic acid
62850 Naphthalene-1-carboxylic acid
62851 Naphthalene-2-carboxylic acid
64110 Naphthalene-(2,3)-dicarboxylic acid
63673 Naphthalene-1,4,5,8-tetracarboxylic acid
62859 Naphthyl-(1)-acetic acid
63906 Naphthyl-(2)-acetic acid
60254 Phenylacetic acid
63714 3-Phenylbutyric acid
63190 4-Phenylbutyric acid
27737 2-Phenylbutyric acid
64123 Phenylmalonic acid
64786 DL-Phenylsuccinic acid
62697 *iso*-Phthalic acid
63043 Pyromellitic acid
63059 Terephthalic acid
63765 Thiobenzoic acid
63769 2-Tolylacetic acid
63770 3-Tolylacetic acid
63771 4-Tolylacetic acid
63134 2,4,6-Trimethylbenzoic acid

2.1.8.4. Aromatic substituted carboxylic acids and salts

63194 3-Acetamidobenzoic acid
64360 2-Acetylbenzoic acid
62071 3-Aminobenzoic acid
15141 4-Aminobenzoic acid
15138 2-Aminobenzoic acid
64264 3-Aminobenzoic acid hydrochloride
64275 2-Aminobenzophenone-2'-carboxylic acid
63217 3-Amino-4-chlorobenzoic acid
64475 2-Amino-4'-chlorodiphenylamine-2'-carboxylic acid
64269 4-Amino-2-hydroxybenzoic acid
64412 2-Amino-5-iodobenzoic acid
65199 2-Aminonaphthalenecarboxilic-3 acid
64910 2-Amino-4-nitrobenzoic acid
60414 4-Aminophenylacetic acid
62078 5-Amino *iso*-phthalic acid
63722 DL-Atrolactinic acid hemihydrate
15228 Benzilic acid
62125 2-Benzoylbenzoic acid
64299 3-Benzoylpropionic acid
62176 2-Bromobenzoic acid
62177 3-Bromobenzoic acid
62178 4-Bromobenzoic acid
63262 5-Bromo-2,4-dihydroxybenzoic acid
61170 3-Bromo-4-fluorobenzoic acid
64351 4-Bromomethylbenzoic acid
62215 DL-α-Bromophenylacetic acid
65180 2-Bromophenylacetic acid
65166 4-Bromophenylacetic acid
64283 Bromopyruvic acid
60494 5-Bromosalicylic acid
62294 2-Chlorobenzoic acid
60096 4-Chlorobenzoic acid
63306 *trans*-2-Chlorocinnamic acid
63971 *trans*-3-Chlorocinnamic acid
63307 *trans*-4-Chlorocinnamic acid
63310 4-Chloro-3,5-dinitrobenzoic acid
61166 2-Chloro-6-fluorobenzoic acid
61480 2-Chloro-6-fluorophenyl acetic acid
61497 2-(2-Chloro-6-fluorophenyl)-acetoacetic acid
62334 Chlorogenic acidhemihydrate
64141 3-Chloro-4-hydroxybenzoic acid
64273 4-Chloromandelic acid
62314 4-(Chloromercuri)benzoic acid
62315 4-(Chloromercuri)benzoic acid sodium salt
64417 2-Chloro-4-nitrobenzoic acid
63122 2-Chloro-5-nitrobenzoic acid
64226 4-Chloro-2-nitrobenzoic acid
62324 4-Chloro-3-nitrobenzoic acid
62335 3-Chloroperbenzoic acid
63293 4-Chlorophenoxyacetic acid
63220 2-Chlorophenylacetic acid
62338 3-Chlorophenylacetic acid
64437 4-Chlorophenylacetic acid
64577 4-Cyanobenzoic acid
62435 3,5-Diaminobenzoic acid
64476 3,4-Diaminobenzoic acid
63330 Dibenzoyl-D(+)-tartaric acid monohydrate
62445 Dibenzoyl-L(-)-tartaric acid monohydrate
63371 2,5-Dibromobenzoic acid
64008 α,β-Dibromohydrocinnamic acid
64007 1,6-Dibromo-2-naphthol-3-carboxylic acid
64628 3,5-Dibromosalicylic acid
64695 3,5-Di-*tert.*-butyl-4-hydroxybenzoic acid
64884 3,5-Dichloroanthranilic acid
62481 2,4-Dichlorobenzoic acid
62482 2,6-Dichlorobenzoic acid
62483 3,4-Dichlorobenzoic acid
65210 3,5-Dichlorobenzoic acid
64514 3,4-Dichloronitrobenzene
64892 2,3-Dichlorophenoxyacetic acid
64898 2,4-Dichlorophenylacetic acid
64899 2,6-Dichlorophenylacetic acid
64930 4,5-Dichlorophthalic acid
60140 2,4-Dihydroxybenzoic acid
62507 2,5-Dihydroxybenzoic acid
60141 2,6-Dihydroxybenzoic acid
63820 3,4-Dihydroxybenzoic acid
60142 3,5-Dihydroxybenzoic acid
62510 3,4-Dihydroxycinnamic acid
64984 3,5-Diiodo-2-hydroxybenzoic acid
64985 2,3-Dimethoxybenzoic acid
63825 2,4-Dimethoxybenzoic acid
64536 2,6-Dimethoxybenzoic acid
64986 3,5-Dimethoxybenzoic acid
63826 *trans*-2,4-Dimethoxycinnamic acid
63428 *trans*-3,4-Dimethoxycinnamic acid
60144 3,4-Dimethoxyphenylacetic acid
63430 3-Dimethylaminobenzoic acid
64049 4-Dimethylaminobenzoic acid
63451 3,4-Dinitrobenzoic acid
60159 Diphenylamine-2-carboxylic acid
62582 2,2'-Dithiodibenzoic acid
61207 2-Fluorobenzoic acid
01808 2-Fluorobenzoic acid
61208 3-Fluorobenzoic acid
61275 4-Fluorobenzoic acid
01809 4-Fluorobenzoic acid
61275 4-Fluorobenzoic acid
61511 3-(4-Fluorobenzoyl)-propionic acid
61477 trans-2-Fluorocinnamic acid
61484 trans-4-Fluorocinnamic acid

61307 4-(3-Fluoro-4-hydroxyphenyl)butyric acid
61315 4-Fluoromandelic acid
61317 3-(3-Fluoro-4-methoxybenzoyl)-propionic acid
61320 4-Fluoro-1-naphthoic acid
61503 4-Fluorophenoxyacetic acid
61434 2-Fluorophenylacetic acid
61328 4-Fluorophenylacetic acid
61493 2-(2-Fluorophenyl)-acetoacetic acid
61494 2-(4-Fluorophenyl)-acetoacetic acid
61488 DL-(2-Fluorophenyl)-glycine
61501 D(-)-(4-Fluorophenyl)-glycine
61346 3-Fluorophthalic acid
61510 DL(±)-(4-Fluorphenyl)-glycine
27645 Gallic acid
63515 Hippuric acid
63518 2-(4'-Hydroxybenzeneazo)benzoic acid
27733 4-Hydroxybenzoic acid
64306 *trans*-2-Hydroxycinnamic acid
62681 *trans*-3-Hydroxycinnamic acid
62682 *trans*-4-Hydroxycinnamic acid
63529 DL-4-Hydroxymandelic acid monohydrate
62673 4-Hydroxy-3-methoxycinnamic acid
63530 4-Hydroxy-3-methoxymandelic acid
63858 1-Hydroxy-2-naphthalenecarboxylic acid
62675 3-Hydroxy-2-naphthalenecarboxylic acid
64635 2-Hydroxyphenylacetic acid
62677 4-Hydroxyphenylacetic acid
64636 N-(4-Hydroxyphenyl)glycine
63548 3-(4-Hydroxyphenyl)propionic acid
64084 4-Hydroxyphenylpyruvic acid
62705 2-Iodobenzoic acid
63866 3-Iodobenzoic acid
63867 4-Iodobenzoic acid
27713 Mandelic acid
62732 D(-)-Mandelic acid
62733 L(+)-Mandelic acid
62737 2-Mercaptobenzoic acid
62761 2-Methoxybenzoic acid
63610 3-Methoxybenzoic acid
60210 4-Methoxybenzoic acid
64607 *trans*-2-Methoxycinnamic acid
64999 *trans*-3-Methoxycinnamic acid
64998 *trans*-4-Methoxycinnamic acid
65000 2-Methoxyphenylacetic acid
62769 3-Methoxyphenylacetic acid
62770 4-Methoxyphenylacetic acid
64700 4,4'-Methylenebis(3-hydroxy-2-naphthalenecarboxylic acid)
65044 2-Methyl-3-nitrobenzoic acid
65045 3-Methyl-2-nitrobenzoic acid
63891 3-Methyl-4-nitrobenzoic acid
62818 4-Methyl-3-nitrobenzoic acid
63892 5-Methyl-2-nitrobenzoic acid
62843 α-Methyl-DL-tyrosine
62878 2-Nitrobenzoic acid
62879 3-Nitrobenzoic acid
27723 4-Nitrobenzoic acid
62880 3-Nitrobenzoic acid sodium
62904 trans-2-Nitrocinnamic acid
65219 4-Nitrocinnamic acid
62893 2-Nitrophenylacetic acid
62894 4-Nitrophenylacetic acid
60418 3-Nitrophthalic acid
63688 2-Nitro-*iso*-phthalic acid
61313 Pentafluorobenzoic acid
64783 Phenoxyacetic acid
62964 2-Phenoxybenzoic acid
63710 2-Phenoxypropionic acid
63187 D(-)-α-Phenylaminoacetic a
63188 DL-α-Phenylaminoacetic ac
63723 Phenylmercaptoacetic acid
64787 Phenylpyruvic acid
63725 Phenylpyruvic acid sodium
62990 Phthalaldehydic acid
27301 Salicylic acid
27308 5-Sulphosalicylic acid dihyc
64840 Syringic acid
63779 2,4,5-Trichlorophenoxyacet
61463 4-Trifluoromethylbenzoic a
61468 N-(3-Trifluoromethylphenyl anthranilic acid
65122 2,4,6-Trihydroxybenzoic aci monohydrate
63132 3,4,5-Trimethoxybenzoic ac
63791 *trans*-3,4,5-Trimethoxycinn acid
64911 3,4,5-Trimethoxyphenylace
63156 DL-Tropic acid
60299 Veratric acid

2.1.8.5. Heterocyclic carboxylic acids

64443 6-Aminopenicillanic acid
64518 3-Aminopyrazinecarboxylic acid
64293 2-Benzofurancarboxylic acid
62200 5-Bromofuran-2-carboxylic acid
64238 2-Chloronicotinic acid
63582 (±)-*iso*-Citric acid lactone
62611 Furan-2-carboxylic acid
65010 Furan-3-carboxylic acid
65012 Furan-3,4-dicarboxylic acid
63489 3-(2-Furyl)acrylic acid
63526 5-Hydroxyindol-3-yl acetic acid
63554 2-Hydroxypyridine-5-carboxylic acid
63520 2-Hydroxyquinoline-4-carboxylic acid
64641 L-5-Hydroxytryptophan
63560 DL-5-Hydroxytryptophan
62332 Imidazole-4-acrylic acid dihydrate
64644 Indole-3-acrylic acid
62688 Indole-2-carboxylic acid
63862 Indole-3-carboxylic acid
63863 Indole-5-carboxylic acid
65006 Indolyl-3-acetic acid
63566 4-(3-Indolyl)-butyric acid
62690 3-(3-Indolyl)-propionic acid
63591 Kynurenic acid
63941 Nicotinic acid
63703 Orotic acid monohydrate
62932 5-Oxo-L-proline
63729 4-Piperidinecarboxylic acid
64822 2-Pyrazinecarboxylic acid
64823 2,3-Pyrazinedicarboxylic ac
63034 2-Pyridinecarboxylic acid
63035 4-Pyridinecarboxylic acid
63039 2,6-Pyridinedicarboxylic ac
63929 Pyrrole-2-carboxylic acid
62273 Quinolinic acid
63090 L(-)-Thiazolidine-4-carboxy
63097 Thiophene-2-carboxylic ac
64943 9-Xanthencarboxylic acid

2.1.9. Esters

2.1.9.1. Aliphatic and alicyclic unsubstituted carboxylic esters

64584 Allyl acetate
62749 Allyl methacrylate
60165 *n*-Butyl acetate
27235 *n*-Butyl acetate
27231 *iso*-Amyl acetate
27230 *iso*-Amyl acetate
62025 *n*-Butyl acrylate
64214 *iso*-Butyl acrylate
62750 Butyl methacrylate
62751 *iso*-Butyl methacrylate
60469 *iso*-Butyl-*iso*-butyrate
63340 Cyclohexyl methacrylate
62419 Diacetin
64219 Dibutyl adipate
60170 Di-*n*-butyl-fumarate
64231 Diethyl acetylendicarboxylate
64968 Diethyl cyclopropane-1,1-dicarboxylate
60346 Diethyl diallylmalonate
20616 Diethyl di-*n*-butylmalonate
20604 Diethyl diethylmalonate
64977 Diethyl dimethylmalonate
60169 Diethyl fumarate
62623 Diethyl glutarate
62731 Diethyl maleate
20608 Diethyl malonate
60223 Diethyl methylmalonate
60242 Diethyl oxalate
62998 Diethyl pimelate
63049 Diethyl sebacate
62718 Diethyl suberate
60061 Diethyl succinate
20603 Diethyl *n*-butylmalonate
20628 Diethyl *sec.*-butylmalonate
60192 Diethyl *iso*-butylmalonate
60349 Diethyl *n*-pentylmalonate
60191 Diethyl *iso*-pentylmalonate
60347 Diethyl *iso*-propylmalonat
20620 Diethyl *iso*-propylmalonat
62012 Dimethyl acetylenedicarbo
27227 Ethyl acetate
62024 Ethyl acrylate
60082 Ethyl butyrate
64463 Ethyl caprate
62267 Ethyl caprylate

366 Ethyl crotonate
023 Ethyl formate
520 Ethyl hexanoate
748 Ethyl methacrylate
767 Ethyl pelargonate
308 Ethyl pivalate
157 Ethyl propionate
935 Ethyl valerate
366 Ethyl *iso*-butyrate
044 Ethylene glycol dimethacrylate
936 Ethyl *iso*-valerate
588 Hexyl acetate
082 Meldrum's acid

16471 Menthyl *n*-valerianate
16472 Menthyl *iso*-valerianate
27237 Methyl acetate
62026 Methyl acrylate
63624 Methyl caprylate
62368 Methyl crotonate
27009 Methyl formate
64622 Methyl hexanoate
63647 Methyl laurate
63648 Methyl linoleate
62753 Methyl methacrylate
63650 Methyl palmitate
63655 Methyl pivalate
63664 Methyl stearate
64368 Methyl *iso*-butyrate
65212 Methyl 3-methylbutenate-2
62601 *iso*-Propenyl acetate
62065 *n*-Propyl formate
64376 *iso*-Propyl myristate
65141 1,1,2-Triacetoxyethane
62928 Triethyl orthoacetate
60388 Triethyl orthoformate
62929 Triethyl orthopropionate
64561 Trimethyl orthoacetate
62927 Trimethyl orthoformate

1.9.2. Aliphatic and alicyclic substituted carboxylic esters

005 α-Acetobromoglucose
241 Acetylcholinium bromide
436 Acetylsalicyloyl chloride
881 Allyl chloroformate
500 Azelanitrile
879 2-Bromoethyl chloroformate
274 2-Bromopropionyl *iso*-butylester
346 *tert.*-Butyl bromoacetate
813 *tert.*-Butyl carbazate
220 *tert.*-Butyl chloroacetate
281 Butyl chloroformate
282 *iso*-Butyl chloroformate
742 Butyl cyanoacetate
835 *iso*-Butyl propionate
205 *tert.*-Butylacetoacetate
294 Carbamoylcholine chloride
471 Dibutyltin diacetate
341 Diethyl acetamidomalonate
414 Diethyl acetone dicarboxylate
342 Diethyl acetoxymalonate
286 Diethyl azodicarboxylate
344 Diethyl bromomalonate
345 Diethyl chloromalonate
343 Diethyl ethoxymethylenemalonate
126 Diethyl fluoromalonate
009 Diethyl formaminomalonate
240 Diethyl oxalacetate, sodium derivative
109 Diethylaminomalonate hydrochloride
142 Diethyl L(+)-tartrate
107 Dimethyl acetonedicarboxylate
150 Dimethyl bromomalonate
45 Dimethyl succinate
52 2-Dimethylaminoethyl methacrylate
75 Dimethyl 2,5-dioxo-1,4-cyclohexanedicarboxylate
60 Dimethyl (+)-tartrate

64957 1-(Ethoxycarbonylethyl)-triphenylphosphonium bromide
64956 N-Ethoxycarbonylphthalimide
63466 2-Ethoxyethyl methacrylate
60003 Ethyl acetoacetate
64204 Ethyl acetoacetate, sodium derivative
60382 Ethyl bromoacetate
60102 Ethyl chloroacetate
60093 Ethyl chloroformate
64406 S-Ethyl chlorothioformate
60114 Ethyl cyanoacetate
64502 Ethyl diethoxyacetate
64386 Ethyl ethoxymethylenecyanoacetate
61289 Ethyl fluoroacetate
64658 Ethyl levulinate
61443 Ethyl perfluorobutyrate
61446 Ethyl perfluorocaprylate
61034 Ethyl perfluoroheptanoate
61037 Ethyl perfluorononanoate
61451 Ethyl perfluoropropionate
62159 Ethyl pyruvate
64873 Ethyl thioglycolate
61379 S-Ethyl trifluorothioacetate
62003 Ethyl 2-acetamido-2-cyanoacetate
62184 Ethyl 2-bromobutyrate
64335 Ethyl 4-bromobutyrate
63855 Ethyl 2-bromo-*iso*-butyrate
64612 Ethyl 2-bromodecanoate
64630 Ethyl 2-bromododecanoate
64634 Ethyl 2-bromoheptanoate
64724 Ethyl 2-bromononanoate
64729 Ethyl 2-bromooctanoate
62221 Ethyl 3-bromopropionate
15276 Ethyl 3-bromopropionate
62220 Ethyl DL-2-bromopropionate
64732 Ethyl 2-bromotetradecanoate
64741 Ethyl 2-bromoundecanoate
64746 Ethyl 5-bromovalerate
63283 Ethyl *sec.*-butylcyanoacetate
64387 Ethyl 2-chloroacetoacetate
64883 Ethyl 4-chloroacetoacetate
64400 Ethyl 4-chlorobutyrate
64428 Ethyl 2-chloropropionate
62346 Ethyl 3-chloropropionate
64489 Ethyl 2,3-dibromopropionate
64504 Ethyl α,α-diethylacetoacetate
02878 Ethylglycol bromoacetate
65149 Ethyl 4,4,4-trifluoroacetoacetate
63494 Glycerol-1-monoacetate
64206 Methyl acetoacetate
62199 Methyl bromoacetate
62269 Methyl carbamate
62311 Methyl chloroacetate
60385 Methyl chloroformate
62375 Methyl cyanoacetate
64511 Methyl dichloroacetate
63659 Methyl pyruvate
63094 Methyl thioglycollate
61376 Methyl trifluoroacetate
02887 Methyl 2-bromobutyrate
15272 Methyl DL-2-bromopropionate
64388 Methyl 2-chloroacetoacetate
64401 Methyl 4-chlorobutyrate
64430 Methyl 2-chloropropionate
64962 Methyl 2,3-dichloropropionate
61305 5-Methyl 4-fluoroglutamate
64669 Monomethyl malonate potassium salt
64904 Pentyl propionate
02890 *iso*-Propyl 2-bromo-*iso*-butyrate
64872 2,2,2-Trichloroethyl chloroformate
61383 Triethyl 2,4-difluorocitrate

9.3. Aromatic carboxylic esters

73 Benzyl acetate
11 Benzyl benzoate
38 Benzyl bromoacetate
16 Benzyl chloroformate solution
11 Benzyl fluoroformate
3 Benzyl formate
64 Benzyl-DL(±)-mandelate
13 Bis-(2-ethylhexyl)phthalate
7 *tert.*-Butyl perbenzoate
7 Butyl 4-hydroxybenzoate
4 Chlorogenic acidhemihydrate
6 3,5-Diacetoxy-acetophenone

63330 Dibenzoyl-D(+)-tartaric acid monohydrate
62445 Dibenzoyl-L(-)-tartaric acid monohydrate
64004 Dibenzyl succinate
62994 Dibutyl phthalate
64546 Diethyl benzylidenemalonate
62134 Diethyl benzylmalonate
60350 Diethyl phenylmalonate
27740 Diethyl phthalate
65184 Diethyl 2,5-dihydroxyterephthalate
64527 Dimethyl biphenyl-4,4'-dicarboxylate
27742 Dimethyl phthalate
63060 Dimethyl terephthalate
64649 Dimethyl *iso*-phthalate
64600 Dodecyl gallate
60045 Ethyl benzoate
62126 Ethyl benzoylacetate
62823 Ethyl cinnamate
64670 Ethyl mandelate
62970 Ethyl phenylacetate
63483 Ethyl salicylate

63123	Ethyl trichloroacetate
61249	Ethyl trifluoroacetate
64262	Ethyl 2-aminobenzoate
65192	Ethyl 3-aminobenzoate
65173	Ethyl 4-aminobenzoate
61246	Ethyl 2-fluorobenzoate
61247	Ethyl 3-fluorobenzoate
61248	Ethyl 4-fluorobenzoate
01813	Ethyl 4-fluorobenzoate
63476	Ethyl 3-hydroxybenzoate
63485	Ethyl 3-tolylacetate
27614	Methyl benzoate
62762	Methyl cinnamate
27305	Methyl salicylate
60028	Methyl 2-aminobenzoate
63930	Methyl 4-aminobenzoate
65202	Methyl 4-aminocinnamate
61167	Methyl 2-fluorobenzoate
61168	Methyl 4-fluorobenzoate
63888	Methyl 3-hydroxybenzoate
62668	Methyl 4-hydroxybenzoate
64614	Methyl 2-methoxybenzoate
64916	Methyl 3-methylbenzoate
61110	Methyl 4-tetrafluoroethoxybenzoate
63677	Naphthyl-1-acetic acid methyl ester
64847	4-Nitrobenzyl chloroformate
64391	4-Nitrophenyl chloroformat
61460	4-Nitrophenyl trifluoroacet
63713	Phenyl acetate
64571	Phenyl benzoate
62283	Phenyl chloroformate
61375	Phenyl trifluoroacetate
22101	Phenylmercury acetate
22103	Phenylmercury acetate solu 25%
22105	Phenylmercury oleate
62617	Propyl gallate
63732	Propyl 4-hydroxybenzoate
16157	Resorcinol monoacetate
62602	Vinyl acetate

2.1.9.4. Heterocyclic carboxylic esters

63255	Benzyl nicotinate
64356	Butyl nicotinate
65167	Carbendazime (BCM)
64403	N-Ethoxycarbonylpiperazine
62858	Ethyl nicotinate
64303	Ethyl 1,3-dithiane-2-carboxylate
62612	Ethyl 2-furancarboxylate
65011	Ethyl 3-furancarboxylate
62693	Ethyl *iso*-nicotinate
63036	Ethyl 2-pyridinecarboxylate
22060	8-Hydroxyquinoline benzoat
62600	3-Indolyl acetate
63649	Methyl nicotinate
63038	2,5-Pyridinedicarboxylic aci
61458	N-Trifluoroacetylimidazole

2.1.9.5. Esters of inorganic acids

60366	Ammonium-O,O-diethyl dithiophosphate
60365	Ammonium-O,O-dimethyl dithiophosphate
27803	*iso*-Amyl nitrate
27804	*iso*-Amyl nitrite
64372	Chlorosulphonyl *iso*-cyanate
64371	Colaminphosphoric acid
64509	4,5-Dichloro-1,3-dioxolan-2-one
60119	Diethyl carbonate
62988	Diethyl phosphite
60122	Diethyl sulphate
60368	O,O-Diethyl thiophosphoric acid chloride
62527	Dimethyl carbonate
64236	Dimethyl phosphite
60367	O,O-Dimethylthiophosphoric acid chloride
62717	Diphenyl carbonate
62339	Diphenyl chlorophosphate
64142	Di-*iso*-propyl phosphite
62756	Ethyl methanesulphonate
27701	Ethyl silicate
60402	Ethylene carbonate
63106	Ethyl-(4)-toluenesulphonate
61395	Methyl fluorosulphonate
63108	Methyl-4-toluenesulphonate
61042	1H,1H,2H,2H-Perfluorohexyl nitrate
64089	*iso*-Propyl nitrite
60264	Propylene carbonate
65074	Tetramethyl orthocarbonate
64865	Tetrapropyl orthotitanate
64866	Tetra-*iso*-propyl orthotitana
60289	Tributyl phosphate
65112	Tributyl phosphite
60315	2,4,5-Trichlorophenyl-*tert.*-b carbonate
64136	Tricresyl phosphate
65151	Triethyl phosphite
27683	Trimethyl borate *about 72% methanol*
27623	Trimethyl borate *63—65% methanol*
63142	Trimethyl phosphate
63152	Triphenyl phosphate
60293	Triphenyl phosphite

2.1.10. Carboxylic halides

62009	Acetyl bromide
60007	Acetyl chloride
64436	Acetylsalicyloyl chloride
62030	Adipoyl dichloride
60054	Benzoyl chloride
15215	Benzoyl chloride
61148	2,5-Bis-(trifluoromethyl)-perfluoro-3,6-dioxanonanoyl fluoride
62165	Bromoacetyl bromide
02877	Bromoacetyl bromide
64666	Bromoacetyl chloride
02868	Bromoacetyl chloride
65190	2-Bromobenzoyl chloride
64599	3-Bromobenzoyl chloride
62181	4-Bromobenzoyl chloride
64336	2-Bromobutyryl bromide
64719	2-Bromo-*iso*-butyryl bromide
02885	2-Bromo-2-ethylbutyryl bromide
02891	2-Bromoisovaleryl bromide
62222	2-Bromopropionyl bromide
60390	Butyryl chloride
60091	Chloroacetyl chloride
60099	2-Chlorobenzoyl chloride
62948	3-Chlorobenzoyl chloride
62298	4-Chlorobenzoyl chloride
62305	4-Chlorobutyryl chloride
64223	2-Chloromethylbenzoyl chloride
64421	α-Chlorophenylacetyl chloride
64429	2-Chloropropionyl chloride
62347	3-Chloropropionyl chloride
60401	Cinnamoyl chloride
62367	Crotonoyl chloride
64663	2,3-Dibromopropionyl chloride
64501	Dichloroacetyl chloride
64505	2,4-Dichlorobenzoyl chloride
64796	3,4-Dichlorobenzoyl chloride
62424	N,N-Diethylcarbamoyl chloride
60392	Dimethylcarbamoyl chloride
15923	3,5-Dinitrobenzoyl chloride
62570	N,N-Diphenylcarbamoyl chloride
64760	Enanthoyl chloride
61209	2-Fluorobenzoyl chloride
61281	3-Fluorobenzoyl chloride
61210	4-Fluorobenzoyl chloride
64594	Fumaryl chloride
64597	2-Furoyl chloride
60393	Isobutyryl chloride
64659	Lauroyl chloride
60394	Malonyl chloride
63872	3-Methoxybenzoyl chloride
60312	4-Methoxybenzoyl chloride
63925	2-Methylbenzoyl chloride
63926	3-Methylbenzoyl chloride
62786	4-Methylbenzoyl chloride
62848	Myristoyl chloride
62852	1-Naphthoyl chloride
62853	2-Naphthoyl chloride
65188	2-Nitrobenzoyl chloride
62881	3-Nitrobenzoyl chloride
60232	4-Nitrobenzoyl chloride
64759	Oleoyl chloride
60395	Oxalyl chloride
61133	(Perfluorobutyl)-acetyl chlor
61292	Perfluorobutyryl chloride
61136	(Perfluorodecyl)-acetyl chlor
61134	(Perfluorohexyl)-acetyl chlor
61137	Perfluorooctanoyl chloride
61135	(Perfluorooctyl)-acetyl chlor
63711	2-Phenoxypropionyl chloride
62967	Phenylacetyl chloride
16539	2-Phenylbutyryl chloride
64803	Phthaloyl dichloride

64648 *iso*-Phthaloyl dichloride
60396 Pivaloyl chloride
63052 Stearoyl chloride
64308 Succinyl dichloride
60398 Terephthaloyl dichloride
65106 2-Thiophenecarbonyl chloride
60400 Trichloroacetyl chloride
61453 2-Trifluoromethylbenzoyl chloride
61466 4-Trifluoromethylbenzoyl chloride
61092 3 Trifluoromethylbenzoyl fluoride
65133 10-Undecenoyl chloride

2.1.11. Carboxylic anhydrides

27209 Acetic anhydride
62123 1,2,4-Benzenetricarboxylic acid anhydride-1,2
62115 Benzoic anhydride
63260 *endo-cis*-Bicyclo[2,2,1]-heptene-(5)-dicarboxulicanhydride-(2,3)
62237 Butyric anhydride
62238 *iso*-Butyric anhydride
64251 Chloroacetic anhydride
65206 4-Chlorophthalic anhydride
60113 Citraconic anhydride
64959 2,3-Dichloromaleic anhydride
62593 Dodecenylsuccinic anhydride
61347 3-Fluorophthalic anhydride
64605 Glutaric anhydride
64076 1-Hexadecenylsuccinic anhydride
64380 Hexanoic anhydride
62691 Isatoic anhydride
60205 Maleic anhydride
64112 Nicotinic anhydride
62897 3-Nitrophthalic anhydride
61444 Perfluorobutyric anhydride
61452 Perfluoropropionic anhydride
60258 Phthalic anhydride
63005 Pivalic anhydride
63024 Propionic anhydride
63737 Pyromellitic dianhydride
27619 Succinic anhydride
63067 Tetrabromophthalic anhydride
16249 Tetrachlorophthalic anhydride
63078 *cis*-1,2,3,6-Tetrahydrophthalic anhydride
65117 Trichloroacetic anhydride
61031 Trifluoroacetic anhydride
64937 Valeric anhydride
64938 Valeryl chloride

2.1.12. Lactones and lactames

63939 2-Acetylbutyrolactone
64229 N-Acetyl-DL-homocysteine thiolactone
64515 α-Angelicalactone
62185 2-Bromo-γ-butyrolactone
64793 N-Bromocaprolactame
15255 γ-Butyrolactone
62261 ε-Caprolactam
62262 ε-Caprolactone
63582 (±)-*iso*-Citric acid lactone
64042 Dihydrocoumarin
63464 Ellagic acid
62672 4-Hydroxycoumarin
64080 6-Hydroxy-4-methylcoumarin
64096 6-Methylcoumarin
64108 4-Methylumbelliferone
62991 Phthalide
64133 Thiocaprolactame
63169 γ-Valerolactone

2.1.13. Nitriles, iso-and thiocyanates

60004 Acetonitrile
62022 Acrylonitrile
64667 1-Adamantanecarbonitrile
62031 Adipodinitrile
62059 Allyl cyanide
62060 Allyl *iso*-thiocyanate
63207 Aminoacetonitrile hydrogen sulphate
62072 2-Aminobenzonitrile
64281 3-Aminobenzonitrile
64280 4-Aminobenzonitrile
64490 2-Amino-5-chlorobenzonitrile
62107 α,α'-Azo-*iso*-butyronitrile
64570 Benzenesulphonyl *iso*-cyanate
60049 Benzonitrile
64789 Benzoyl cyanide
60059 Benzyl cyanide
65186 4-Biphenylcarboxylic acid nitrile
62179 3-Bromobenzonitrile
62180 4-Bromobenzonitrile
64337 4-Bromobutyronitrile
61173 3-Bromo-4-fluorobenzonitrile
64829 4-Bromomethylbenzonitrile
65179 2-Bromophenylacetonitrile
63953 4-Bromophenylacetonitrile
64456 4-Bromophenyl *iso*-thiocyanate
63273 3-Bromopropionitrile
64742 Butyl cyanoacetate
64678 *tert.*-Butyl nitrite
63289 Butyl *iso*-cyanate
62255 Butyronitrile
62258 *iso*-Butyronitrile
64751 Capric acid nitrile
62264 Capronitrile
62268 Caprylonitrile
62275 Chloroacetonitrile
62277 2-Chloroacrylonitrile
60098 2-Chlorobenzonitrile
62896 3-Chlorobenzonitrile
60321 4-Chlorobenzonitrile
62303 3-Chlorobenzyl cyanide
64396 4-Chlorobenzyl cyanide
62306 4-Chlorobutyronitrile
64838 Chlorocarbonyl *iso*-cyanate
61223 4-Chloro-3-cyanobenzotrifluoride
63311 4-Chloro-3,5-dinitrobenzonitrile
61479 2-Chloro-6-fluorobenzoic acid nitrile
61165 2-Chloro-6-fluorobenzyl cyanide
61498 2-(2-Chloro-6-fluorophenyl)-acetoacetnitrile
65207 2-(Chloromethyl)benzonitrile
64423 3-Chlorophenyl *iso*-cyanate
62337 4-Chlorophenyl *iso*-cyanate
64438 4-Chlorophenyl *iso*-thiocyanate
62343 3-Chloropropionitrile
64372 Chlorosulphonyl *iso*-cyanate
61475 6-Chloro-2,4,5-trifluoro-1,3-phenylendi-*iso*-cyana t
64377 5-Chloro-*n*-valeronitrile
63091 Cinnamonitrile
62369 Crotonitrile
62373 Cyanoacetamide
27206 Cyanoacetic acid
64577 4-Cyanobenzoic acid
62374 2-Cyanoethyl phosphoric acid barium salt dihydrate
64586 2-Cyano-4-nitroaniline
61043 1-Cyano-2,2,3,3-tetrafluorocyclobutane
62396 Cyclohexyl isocyanate
64585 Cyclohexyl isocyanide
64291 α-Cyclohexylphenylacetonitril
63347 Cyclopropanecarboxylic acid nitrile
64012 4-Dibutylaminobutyronitrile
62466 3-Dibutylaminopropionitrile
63379 2,6-Dichlorobenzonitrile
64888 2,4-Dichlorobenzyl cyanide
63386 2,6-Dichlorobenzyl cyanide
62484 2,3-Dichloro-5,6-dicyan-p-benzoquinone
62494 3,4-Dichlorophenyl*iso*-cyanate
64033 Diethylaminoacetonitrile
64034 4-Diethylaminobenzonitrile
64989 2,6-Dimethoxybenzonitrile
62516 3,4-Dimethoxybenzonitrile
63431 4-Dimethylaminobenzonitrile
62522 3-Dimethylaminopropionitrile
62565 Diphenylacetonitrile
63514 Enanthonitrile
64384 Ethoxymethylene-malonic acid dinitrile
60114 Ethyl cyanoacetate
64386 Ethyl ethoxymethylenecyanoacetate
64354 Ethyl thiocyanate
62003 Ethyl 2-acetamido-2-cyanoacetate
63283 Ethyl *sec.*-butylcyanoacetate
64365 N-Ethyl-N-cyanoethylaniline
61276 2-Fluorobenzonitrile
61277 3-Fluorobenzonitrile
61278 4-Fluorobenzonitrile
61284 2-Fluorobenzyl cyanide
61285 3-Fluorobenzyl cyanide
61286 4-Fluorobenzyl cyanide
61495 2-(2-Fluorophenyl)-acetoacetnitrile
61496 2-(4-Fluorophenyl)-acetoacetnitrile
61332 4-Fluorophenyl *iso*-thiocyanate
64596 Fumaronitrile
62624 Glutarodinitrile

63507 Heptadecanoic acid nitrile
64424 4-Hydroxybenzenesulphonic acid sodium salt dihydrate
65025 4-Hydroxybenzonitrile
62676 α-Hydroxyphenylacetonitrile
60311 3-Hydroxypropionitrile
64304 Iminodiacetonitrile
64312 3,3'-Iminodipropionitrile
64643 Indole-3-acetonitrile
65054 DL-Lactonitrile
62723 Lauronitrile
60386 Malonic acid dinitrile
64673 Methacrylonitrile
64276 4-Methoxybenzonitrile
62771 3-Methoxypropionitrile
62375 Methyl cyanoacetate
65002 3-Methylaminopropionitrile
64094 3-Methylbenzyl thiocyanate
63629 Methylene dithiocyanate
63626 N-Methyleneaminoacetonitrile
60406 Methyl *iso*-thiocyanate
64722 Myristonitrile
63675 1-Naphthonitrile
65058 2-Naphthonitrile
64728 Naphthyl-(1)-*iso*-cyanate
65064 2-Nitrobenzonitrile
63681 3-Nitrobenzonitrile
65065 4-Nitrobenzonitrile
62892 4-Nitrophenylacetonitrile
63698 Octadecyl cyanide
64772 Pentadecanoic acid nitrile
61439 Pentafluorobenzonitrile
61440 Pentafluorophenyl isothiocyanate
60253 2-Phenylbutyronitrile
63715 4-Phenylbutyronitrile
63721 Phenyl *iso*-thiocyanate
16030 Phthalodinitrile
63586 *iso*-Phthalodinitrile
63006 Pivalonitrile
63023 Propionitrile
63331 Pyridinecarbonitrile-(2)
63332 Pyridinecarbonitrile-(3)
63333 Pyridinecarbonitrile-(4)
64662 Pyruvic acid nitrile
63700 Sebacic acid dinitrile
62719 Suberodinitrile
62147 Succinodinitrile
63061 Terephthalodinitrile
64853 Tetracyanoethylene
65097 7,7,8,8-Tetracyanoquinodimethane
65107 4-Toluenesulphonyl *iso*-cyanate
64606 Toluenesulphonyl-(4)-methyl *iso*-cyanide
63104 m-Tolunitrile
63105 p-Tolunitrile
63109 Toluylene-2,4-diisocyanate
63621 2-Tolylacetonitrile
63622 3-Tolylacetonitrile
63110 4-Tolylacetonitrile
64894 Trichloroacetonitrile
64895 Trichloroacetyl *iso*-cyanate
61464 3-Trifluoromethylbenzonitrile
61089 3-Trifluoromethylphenyle *iso*-cyanate
64908 3,4,5-Trimethoxybenzonitrile
63350 Undecanoic acid nitrile
64940 Valeronitrile
63580 *iso*-Valeronitrile
60300 Veratryl cyanide
63812 o-Xylylene dicyanide
63927 m-Xylylene dicyanide

2.1.14. Amides, imides, guanidines and amidines

15003 Acetamide
64203 Acetamidinium acetate
62000 Acetamidinium chloride
62001 2-Acetamidoacrylic acid
62002 4-Acetamidobenzaldehyde
63194 3-Acetamidobenzoic acid
64252 4-Acetamido-benzoylsulphochloride
60412 2-Acetamidoethanol
63195 2-Acetamidofluorene
64253 N-(2-Acetamido)-iminodiacetic acid
63196 2-Acetamido-5-nitrothiazole
64254 3-Acetamidophenol
64263 4-Acetamidophenol
63197 4-Acetamidothiophenol
15004 Acetanilide
62004 Acetoacetanilide
64229 N-Acetyl-DL-homocysteine thiolactone
62021 Acrylamide
02880 Adipic acid bis-(2,4,6-tribromoanilide)
63203 Allantoin
63205 N-Allyl-N'-(2-hydroxyethyl)thiourea
62062 N-Allylthiourea
64249 N-Allylurea
64258 4'-Aminoacetanilide
64260 2-Aminobenzamide
62077 1-Aminoguanidinium hydrogen carbonate
60320 Aminoguanidinium sulphate monohydrate
64274 6-Aminonicotinamide
64522 N-Aminophthalimide
15155 L-Asparagine monohydrate
62109 Azodicarboxamide
64289 Benzamide
62110 Benzanilide
62142 S-Benzyl-*iso*-thiouronium chloride
61420 Bis-(trifluoroacetamide)
62154 Biuret
62161 N-Bromoacetamide
62162 4-Bromoacetanilide
64331 N-(2-Bromoethyl)-phthalimide
60492 N-Bromophthalimide
63274 N-(3-Bromopropyl)phthalimide
60081 N-Bromosuccinimide
63813 *tert.*-Butyl carbazate
64369 N-*tert.*-Butylacrylamide
62254 Butyramide
60384 Chloroacetamide
63301 4-Chloroacetanilide
63968 3-Chlorobenzamide
64857 4-Chlorobenzhydrazide
60322 Chloroformamidinium chloride
64218 Chloromethyl thiocyanate
60112 N-Chlorosuccinimide
60425 N-Cinnamoyl-N-phenylhydroxylamine
15704 Creatine monohydrate
15722 Creatinine hydrochloride
62373 Cyanoacetamide
60325 1-Cyanoguanidine
64457 N-Cyclohexyl-N'-[β-(N-methylmorpholine)-ethyl]carbodiimide-p-toluenesulphonate
64521 Diacetamide
63987 N,N-Diacetylaminorhodanine
62448 1,3-Dibenzylthiourea
62470 N,N'-Dibutylthiourea
60310 Dicyclohexylcarbodiimide
62496 N,N'-Dicyclohexylthiourea
60341 Diethyl acetamidomalonate
65009 Diethyl formaminomalonate
64466 N,N-Diethylacetamide
62430 N,N-Diethylformamide
60327 1,1-Diethylguanidine hydrochloride
60145 N,N-Dimethylacetamide
64539 N,N-Dimethylacetamide dimethyl acetal
60328 1,1-Dimethylbiguanide hydrochloride
15440 N,N-Dimethylformamide
64550 N,N-Dimethylformamide diethyl acetal
64551 N,N-Dimethylformamide dimethyl acetal
60329 1,1-Dimethylguanidine hydrochloride
15450 N,N'-Dimethylurea
63453 2,4-Dinitroacetanilide
64991 2,4-Dinitrophenyl-4-semicarbazide
62570 N,N-Diphenylcarbamoyl chloride
60417 N,N'-Diphenylformamidine
64065 N,N'-Diphenylformamidine hydrochloride
16216 Diphenylthiourea
64574 N,N'-Di-*iso*-propylcarbodiimide
64956 N-Ethoxycarbonylphthalimide
60413 N-Ethylacetamide
62003 Ethyl 2-acetamido-2-cyanoacetate
63473 N,N'-Ethylenethiourea
15076 N,N'-Ethyleneurea
60318 Ethylguanidinium hydrochloride
63480 N-Ethylmaleimide
62048 N-Ethylurea
61226 Fluoroacetamide
61271 2-Fluorobenzamide
61272 3-Fluorobenzamide
61273 4-Fluorobenzamide
61491 4-Fluorobenzanilide
61504 4-Fluorophenoxyacetamide
62608 Formamide
63488 Formamidine acetate
62619 Girard's reagent T
60331 Guanidinium carbonate
60332 Guanidinium chloride
60333 Guanidinium nitrate
60336 Guanyl urea
60334 2-Guanylbenzimidazole
63508 *cis*-Hexahydrophthalimide
63515 Hippuric acid
65023 Hydantoic acid
63991 5-Hydroxybarbituric monohydrate
63539 N-Hydroxymethylphthalimide
64640 N-Hydroxysuccinimide
62699 Iodoacetamide
64654 N-Iodosuccinimide
64665 Maleimide

Malonamide		
N-Methylacetamide	*61445*	Perfluorobutyramide
N-Methylacetanilide	*60338*	1-Phenylbiguanid
N,N'-Methylenediacrylamide	*20827*	2-Phenylbutyramide
N,N'-Methylenediformamide	*65085*	4-Phenylsemicarbazide
N-Methylformamide	*62987*	N-Phenylthiourea
N-Methylformanilide	*62971*	N-Phenylurea
N-Methylthiourea	*62992*	Phthalimide
Methylurea	*64801*	Phthalimide-potassium
1-Naphthylacetamide	*63022*	Propionamide
Naphthyl-(1)-thiourea	*60497*	N,N'-Propylene urea
Naphtol AS®	*63498*	Pyrazinecarboxamide
Nicotinamide	*60271*	Salicylamide
iso-Nicotinamide	*60408*	Sarcosine anhydride
4-Nitroacetanilide	*63743*	Stearamide
Oxamide	*63746*	Succinamide
D-Pantothenic acid solution	*60274*	Succinimide
	63085	N,N,N',N'-Tetramethylguanidine
	65102	Tetramethylthiourea
	64860	Tetramethylurea
	60407	Thioacetanilide
	64871	Thiobenzamide
	65105	Thionicotinamide
	16217	Thiourea
	02881	2,4,6-Tribromoacetanilide
	65165	Trichloroacetamide
	61032	Trifluoroacetamide
	61153	N-[2'-(Trifluoromethyl)-phenyl]-β-cetobutyramide
	63143	N-(Trimethylsilyl)acetamide
	15603	Urea
	15604	Urea
	15606	Urea nitrate

5. Azo-, diazo compounds and hydrazines

4-Aminoazobenzene	*64917*	3-Chlorophenylhydrazinium chloride
4-Amino-3-hydrazino-5-mercapto-1,2,4-triazole	*64893*	4-Chlorophenylhydrazinium chloride
4-Amino-2-hydroxy-1-naphthalenesulphonic acid,diazotized	*63393*	2,5-Dichlorophenylhydrazine
Azelanitrile	*64286*	Diethyl azodicarboxylate
Azobenzene	*62534*	N,N-Dimethylhydrazine
α,α'-Azo-*iso*-butyronitrile	*64554*	N,N'-Dimethylhydrazinium dichloride
Azodicarboxamide	*64066*	1,1-Diphenylhydrazine
Benzalazine	*62572*	N,N-Diphenylhydrazinium chloride
Benzohydrazide	*61504*	4-Fluorophenoxyacetamide
Benzophenone hydrazone	*61330*	3-Fluorophenylhydrazinium chloride
4-Bromophenylhydrazinium chloride	*61331*	4-Fluorophenylhydrazinium chloride
Carbohydrazide	*62658*	Hydrazobenzene
2-Chlorophenylhydrazinium chloride	*64625*	4-Hydroxyazobenzene
	63518	2-(4'-Hydroxybenzeneazo)benzoic acid
	65024	2-Hydroxyethylhydrazine
	64703	Methylhydrazine
	63674	Naphthidine
	62694	*iso*-Nicotinic acid hydrazide
	61260	4-Nitrobenzenediazonium tetrafluoroborate
	63915	2-Nitrophenylhydrazine
	65070	3-Nitrophenylhydrazinium chloride
	64745	4-Nitrophenylhydrazinium chloride
	60255	Phenylhydrazine
	64798	1-Phenylsemicarbazide
	63597	3,6-Pyridazinediol

6. Amines

6.1. Aliphatic and alicyclic unsubstituted amines

1-Adamantaneammonium chloride	*64031*	Didecylamine
Allylamine	*15407*	Diethylamine
2-Aminoheptane sulphate	*60117*	2-Diethylaminoethylamine
2-Amino-4-methylhexane	*64470*	Diethylammonium chloride
2-Aminooctane	*60495*	N,N-Diethyl-1,3-diaminopropane
1,3-Bis-(dimethylamino)butane	*15918*	Diethylenetriamine
Bis-(2-ethylhexyl)-amine	*15916*	Dimethylamine solution *about 60%*
1,4-Butanediammonium dichloride	*15435*	Dimethylamine solution
n-Butylamine	*15503*	3-Dimethylaminopropylamine
tert.-Butylamine	*15504*	N,N-Dimethylcyclohexylamine
DL-Coniine hydrobromide	*62519*	N,N-Dimethylethylenediamine
Cycloheptylamine	*63438*	N,N-Dimethylethylene-diamine
Cyclohexylamine	*62561*	Dioctylamine
N-Cyclohexyl-1,3-diaminopropane	*63365*	Dipentylamine
Cyclopentylamine	*64573*	Dipropylamine
Cyclopropylamine	*62580*	Di-*iso*-propylamine
Decanediamine-(1,10)	*64572*	N,N-Di-*iso*-propylethylamine
Decylamine	*62589*	Dodecamethylenediamine
Diallylamine	*62594*	Dodecylamine
4,4'-Diaminodicyclohexylmethane	*15075*	Ethylamine solution *about 70%*
3,3'-Diaminodipropylamine	*15016*	Ethylamine solution *about 50%*
1,2-Diaminoethane	*60012*	Ethylammonium chloride
1,2-Diaminoethane solution *75—80%*	*64230*	N-Ethylcyclohexylamine
Di-*n*-butylamine	*63474*	N-Ethylethylenediamine
Dicyclohexylamine	*60462*	2-Ethylhexylamine
N,N-Dicyclohexylammonium nitrite	*64609*	Heptamethylenimine
	62632	Heptylamine
	63506	Hexadecylamine
	65015	N-Hexadecyl-N,N,N-trimethylammonium bromide
	65016	Hexamethonium chloride dihydrate
	65017	Hexamethonium iodide
	62640	Hexamethylenediamine
	15614	Hexamethylenetetramine
	62641	Hexamethylenimine
	62655	Hexylamine
	15729	Methylamine solution *40%*
	62779	Methylammonium chloride
	62795	N-Methylbutylamine
	60218	N-Methylcyclohexylamine
	63627	Methylenediamine dihydrochloride
	63631	N-Methylethylenediamine
	15725	Methyltrioctylammonium chloride
	64733	Neopentylamine
	62910	Nonylamine
	60464	*iso*-Nonylamine
	62915	Octadecylamine
	64757	Octamethylenediamine
	62924	n-Octylamine
	63701	Oleylamine
	64774	Pentamethylenediamine
	62955	Pentylamine
	63868	*iso*-Pentylamine
	15920	1,2-Propanediamine

63137	1,3-Propanediamine
63026	*n*-Propylamine
15688	*iso*-Propylamine, mono
15657	*iso*-Propylamine solution *about 70%*
64818	N-*iso*-Propylcyclohexylamine
65092	Tetrabutylammonium chloride
64849	Tetrabutylammonium iodide
02883	N-Tetradecyl-N,N,N-trimethylammonium bromide
65169	Tetraethylammonium bromide
16269	Tetraethylammonium fluoride solution
16268	Tetraethylammonium hydroxide solution
16262	Tetraethylammonium hydroxide solution *20% in water*
63756	N,N,N′,N′-Tetraethylenediamine
16264	Tetraethylenepentamine
64858	Tetramethylammonium chloride
65101	Tetramethylammonium hydroxide solution
63084	Tetramethylenediamine
63082	N,N,N′,N′-Tetramethylethylenediamine
63774	Triamylamine
16344	Tributylamine
63784	Tri-(decyl)-amine
16304	Triethylamine
16352	Triethylenetetramine
16343	Trimethylamine solution *45%*
64912	Trimethylammonium chloride
63145	Trioctylamine
60465	Tri-*iso*-octylamine
16345	Tri-*iso*-propanolamine
64926	Tripropylamine

2.1.16.2. Aliphatic and alicyclic substituted amines

64253	N-(2-Acetamido)-iminodiacetic acid
64241	Acetylcholinium bromide
64317	Aminoacetaldehyde diethyl acetal
64257	Aminoacetaldehyde dimethyl acetal
63207	Aminoacetonitrile hydrogen sulphate
62074	2-Aminobutanol-(1)
63214	DL-2-Aminobutyric acid
63216	DL-3-Aminobutyric acid
64266	4-Aminobutyric acid
62075	6-Aminocaproic acid
15014	2-Aminoethanol
62312	N-(2-Aminoethyl)-ethanolamine
63946	2-Aminoethylsulphuric acid
63227	DL-4-Amino-3-hydroxybutyric acid
62081	2-Amino-2-methyl-1-propanol
64446	5-Amino-1-pentanol
63238	DL-2-Aminopimelic acid
62087	1-Aminopropanol-(2)
62089	3-Aminopropanol-(1)
15155	L-Asparagine monohydrate
27608	L-Aspartic acid
64954	Bis-(2-chlorethyl)-ammonium chloride
64497	N,N-Bis-(2-hydroxyethyl)-2-aminoethanesulphonic acid
62168	2-Bromoethylammonium bromide
63294	Carbamoylcholine chloride
64807	1-Chloro-2-dimethylaminoethane hydrochloride
62278	2-Chloroethylammonium chloride
64352	3-Chloropropylamine hydrochloride
64431	N-(2-Chloropropyl)-N,N-dimethylammonium chloride
64370	Choline solution
64371	Colaminphosphoric acid
64460	Cystamine dichloride
63603	Cysteamine hydrochloride
15337	L(+)-Cysteine hydrochloride
63358	DL-2,4-Diaminobutyryl dihydrochloride
64507	1,6-Diaminohexane-N,N,N′,N′-tetraacetic acid
63999	2,6-Diaminopimelic acid
64012	4-Dibutylaminobutyronitrile
62465	2-Dibutylaminoethanol
62466	3-Dibutylaminopropionitrile
15421	Diethanolamine
15408	Diethanolamine
64033	Diethylaminoacetonitrile
64409	Diethylaminomalonate hydrochloride
64037	Diethylenetriaminepentaacetic acid
64038	Diethylenetriaminepentaacetic acid pentasodium salt
15417	N,N-Diethylethanolamine
63432	2-Dimethylaminoethanethiol hydrochloride
62752	2-Dimethylaminoethyl methacrylate
63433	2-Dimethylamino-2-methylpropanol-(1)
15451	1-Dimethylaminopropanol-(2)
62521	3-Dimethylaminopropanol-(1)
62522	3-Dimethylaminopropionitrile
15448	N,N-Dimethylethanolamine
62578	Di-*iso*-propanolamine
64383	3-Ethoxypropylamine
27248	Ethylenediaminetetraacetic acid
64072	Ethylenediaminetetraacetic acid dipotassium salt dihydrate
27285	Ethylenediaminetetraacetic acid disodium salt dihydrate
27270	Ethylenediaminetetraacetic acid disodium salt dihydrate
27261	Ethylenediaminetetraacetic acid tetrasodium salt
64073	Ethylenediaminetetraacetic acid trisodium salt
61304	4-Fluoroglutamic acid
62619	Girard's reagent T
27647	L(+)-Glutamic acid
60172	Glycine
15527	Glycine
63521	N-(2-Hydroxyethyl)cyclohexylamine
65036	Iminodiacetic acid
63562	Iminodiacetic acid disodium salt
64304	Iminodiacetonitrile
64312	3,3′-Iminodipropionitrile
63608	L-Methionine sulphone
63609	L-Methionine sulphoxide
63745	DL-Methionine sulphoxide
60496	2-Methoxyethylamine
15775	3-Methoxypropylamine
62777	2-Methylalanine
65002	3-Methylaminopropionitrile
15769	N-Methyldiethanolamine
63626	N-Methyleneaminoacetonitrile
15770	N-Methylethanolamine
61305	5-Methyl 4-fluoroglutamate
64716	N-Methyltaurine
64749	N-Nitrosodiethylamine
61353	Perfluorotributylamine
16145	Sarcosine
63057	Taurine
61359	Tetramethylammonium tetrafluoroborate
16303	Triethanolamine
16339	Triethanolamine
63144	N-(Trimethylsilyl)diethylamine

2.1.16.3. Aromatic unsubstituted amines

63249	Alkylbenzyldimethylammonium chloride solution
63218	2-Aminobiphenyl
63223	4-Amino-N,N-diethylaniline sulphate
63225	4-Aminodiphenylamine
60423	4-Aminodiphenylamine chloride
64415	5-Aminoindane
63240	3-Aminopyrene
65201	5-Amino-1,2,3,4-tetrahydronaphthalene
15112	Aniline
15111	Aniline chloride
60057	Benzylamine
63252	N-Benzyldimethylamine
64480	Benzyldimethylhexadecylammonium chloride
64562	Benzyldimethyltetradecylammonium chloride
62136	N-Benzylmethylamine
64307	Benzyltriethylammonium chloride
02882	N-Benzyl-N,N,N-trimethylammonium bromide
64320	Benzyltrimethylammonium chloride
62144	Benzyltrimethylammonium hydroxide solution
64528	Benzyltrimethylammonium hydroxide solution
64311	1,3-Bis(aminomethyl)-benzene
65193	4-*tert*.-Butylaniline
64478	4,4′-Diaminodiphenylammonium sulphate dihydrate
62436	4,4′-Diaminodiphenylmethane
64508	3,6-Diaminodurene
63360	2,7-Diaminofluorene
62447	Dibenzylamine
64002	N,N-Dibenzyl-2-chloroethylamine hydrochloride
15439	N,N-Dimethylaniline
63881	2,3-Dimethylaniline
63934	2,4-Dimethylaniline
63935	2,5-Dimethylaniline
63936	2,6-Dimethylaniline
63937	3,4-Dimethylaniline
62545	4,5-Dimethyl-o-phenylenediamine

N,N-Dimethyl-p-phenylenediamine
N,N-Dimethyl-p-toluidine
Diphenylamine
1,2-Diphenylethylamine
N,N'-Diphenylethylenediamine
N,N'-Diphenyl-p-phenylenediamine
N-Ethylaniline
2-Ethylaniline
3-Ethylaniline
4-Ethylaniline
N-Ethylbenzylamine
N-Ethyl-1-naphthylamine
N-Ethylnaphthylammonium-(1)-bromide
Fluorenamine-(2)

64079 Hydrobenzamide
15731 N-Methylaniline
63876 (+)-α-Methylbenzylamine
63875 (−)-α-Methylbenzylamine
62787 DL-α-Methylbenzylamine
63363 2-Methyl-1,3-phenylenediamine
63364 4-Methyl-1,2-phenylenediamine
63344 Naphthalenediamine-(1,5)
62854 Naphthalenediamine-(1,8)
60229 Naphthylamine-(1)
62958 Phenethylamine
62969 1,2-Phenylenediamine
63718 1,3-Phenylenediamine
65083 1,2-Phenylenediammonium dichloride

16165 1,4-Phenylenediammonium dichloride
62976 N-Phenylnaphthyl-(1)-amine
64800 N-Phenyl-N,N,N-trimethylammonium tribromide
65170 4-*iso*-Propylaniline
64861 N,N,N',N'-Tetramethyl-p-phenylenediammonium dichloride
16222 o-Tolidine
16224 o-Toluidine
63103 m-Toluidine
16228 p-Toluidine
64875 p-Toluidinium chloride
63116 Tribenzylamine
64913 2,4,6-Trimethylaniline
63133 2,4,5-Trimethylaniline
63799 Triphenylamine

6.4. Aromatic substituted amines

4'-Aminoacetanilide
2-Aminoacetophenone
3-Aminoacetophenone
4-Aminoacetophenone
1-Aminoanthraquinone
2-Aminoanthraquinone
4-Aminoazobenzene
2-Aminobenzaldehyde
3-Aminobenzaldehyde
4-Aminobenzaldehyde
2-Aminobenzamide
3-Aminobenzoic acid
4-Aminobenzoic acid
2-Aminobenzoic acid
3-Aminobenzoic acid hydrochloride
2-Aminobenzonitrile
3-Aminobenzonitrile
4-Aminobenzonitrile
2-Aminobenzophenone
4-Aminobenzophenone
2-Aminobenzophenone-2'-carboxylic acid
2-Amino-5-bromotoluene
4-Amino-3-bromotoluene
5-Amino-2-bromotoluene
3-Amino-4-chlorobenzoic acid
2-Amino-5-chlorobenzonitrile
2-Amino-5-chlorobenzophenone
2-Amino-5-chlorobenzotrifluoride
3-Amino-4-chlorobenzotrifluoride
5-Amino-2-chlorobenzotrifluoride
2-Amino-4-chlorodiphenyl ether
4-Amino-4'-chlorodiphenyl ether
2-Amino-4'-chlorodiphenylamine
2-Amino-4'-chlorodiphenylamine-2'-carboxylic acid
2-Amino-4-chlorophenol
3-Amino-o-cresol
4-Amino-o-cresol
5-Amino-o-cresol
2-Amino-p-cresol
4-Amino-m-cresol
6-Amino-m-cresol
2-Aminodiphenylsulphone
4-Amino-4'-fluorobiphenyl
2-Amino-4-fluorotoluene
2-Amino-5-fluorotoluene
4-Amino-2-fluorotoluene
5-Amino-2-fluorotoluene
6-Amino-2-fluorotoluene
4-Amino-2-hydroxybenzoic acid

64427 6-Amino-1-hydroxy-3-naphthalenesulphonic acid
64412 2-Amino-5-iodobenzoic acid
63948 4-Amino-2-iodotoluene
65199 2-Aminonaphthalenecarboxilic-3 acid
65059 3,6-Amino-1-naphthalenedisulphonic acid
65060 4-Amino-1-naphthalenesulphonic acid
65061 5-Amino-1-naphthalenesulphonic acid
65062 7-Amino-1-naphthalenesulphonic acid
63236 1-Amino-7-naphthol
65200 2-Amino-6-naphthol
64426 8-Amino-1-naphthol-3,6-disulphonic acid monosodium salt
64910 2-Amino-4-nitrobenzoic acid
61459 2-Amino-5-nitrobenzotrifluoride
61216 4-Amino-3-nitrobenzotrifluoride
64439 2-Amino-4-nitrophenol
64440 2-Amino-5-nitrophenol
60032 2-Aminophenol
60033 3-Aminophenol
60034 4-Aminophenol
62662 4-Aminophenol hydrochloride
64525 2-Aminophenol-4-sulphonic acid
60414 4-Aminophenylacetic acid
62078 5-Amino *iso*-phthalic acid
62098 2-Anisidine
62099 3-Anisidine
62100 4-Anisidine
63244 2-Arsanilic acid
63245 4-Arsanilic acid
64301 2-Benzylaminoethanol
63256 4-Benzyloxyanilinium chloride
61091 3,5-Bis(trifluoromethyl)aniline
62169 2-Bromoaniline
62170 3-Bromoaniline
65189 4-Bromoaniline
64344 4-Bromo-N,N-dimethylaniline
64353 2-Bromo-4-nitroaniline
64763 4-Butoxyaniline
62285 2-Chloroaniline
62286 3-Chloroaniline
62287 4-Chloroaniline
64268 3-Chloroaniline-4,6-disulphonamide
62299 2-Chlorobenzylamine
64843 3-Chlorobenzylamine
64395 4-Chlorobenzylamine
63318 4-Chloro-1,2-diaminobenzene

63319 4-Chloro-1,3-diaminobenzene
64833 5-Chloro-2,4-dimethoxyaniline
63309 2-Chloro-4-dimethylaminobenzaldehyde
61069 3-Chloro-4-fluoroaniline
61486 2-Chloro-6-fluorobenzylamine
62317 2-Chloro-4-methylaniline
65204 2-Chloro-5-methylaniline
65164 2-Chloro-6-methylaniline
64411 3-Chloro-2-methylaniline
62318 3-Chloro-4-methylaniline
62319 4-Chloro-2-methylaniline
62320 5-Chloro-2-methylaniline
62323 2-Chloro-4-nitroaniline
63068 2-Chloro-5-nitroaniline
64227 4-Chloro-3-nitroaniline
64340 4-Chloro-2-nitrodiphenylamine
64422 2-Chloro-1,4-phenylenediammonium sulphate
64586 2-Cyano-4-nitroaniline
63356 1,4-Diaminoanthraquinone
62435 3,5-Diaminobenzoic acid
64476 3,4-Diaminobenzoic acid
63992 4,4'-Diaminodiphenyl disulphide
63993 4,4'-Diaminodiphenyl ether
62437 4,4'-Diaminodiphenylsulphone
61299 1,2-Diamino-4-fluorobenzene
64743 2,5-Diaminonitrobenzene
63361 3,4-Diaminonitrobenzene
63362 2,4-Diaminophenol dihydrochloride
62440 4,4'-Diamino-2,2'-stilbenedisulphonic acid
63369 2,4-Dibromoaniline
63370 2,5-Dibromoaniline
63405 2,6-Dibromoaniline
65143 2,6-Dibromo-4-nitroaniline
62474 2,3-Dichloroaniline
62475 2,4-Dichloroaniline
62476 2,5-Dichloroaniline
64503 2,6-Dichloroaniline
62477 3,4-Dichloroaniline
64739 3,5-Dichloroaniline
64884 3,5-Dichloroanthranilic acid
64932 2,4-Dichlorobenzylamine
63381 3,4-Dichlorobenzylamine
64513 2,6-Dichloro-4-nitroaniline
65211 4,5-Dichloro-2-nitroaniline
63407 4-Diethylaminobenzaldehyde
64034 4-Diethylaminobenzonitrile
60118 3-Diethylaminophenol
61067 2,4-Difluoroaniline

61230	2,5-Difluoroaniline
64549	2,4-Dimethoxyaniline
62511	2,5-Dimethoxyaniline
64532	3,4-Dimethoxyaniline
64534	3,5-Dimethoxyaniline
60146	4-Dimethylaminobenzaldehyde
63430	3-Dimethylaminobenzoic acid
64049	4-Dimethylaminobenzoic acid
63431	4-Dimethylaminobenzonitrile
64540	3-(Dimethylamino) phenol
62551	2,4-Dinitroaniline
64990	2,6-Dinitroaniline
62552	3,5-Dinitroaniline
63449	3,3'-Dinitrobenzidine
60159	Diphenylamine-2-carboxylic acid
64262	Ethyl 2-aminobenzoate
65192	Ethyl 3-aminobenzoate
65173	Ethyl 4-aminobenzoate
64365	N-Ethyl-N-cyanoethylaniline
62049	N-Ethyl-N-(2-hydroxyethyl)-p-phenylenediamine sulphate
61144	2-Fluoro-5-aminobenzotrifluoride
61064	2-Fluoroaniline
61065	3-Fluoroaniline
61066	4-Fluoroaniline
61163	4-Fluorobenzylamine
61318	4-Fluoro-2-methyl-N,N-dimethylaniline
61322	4-Fluoro-2-nitroaniline
61430	4-Fluoro-3-nitrophenyltrimethylammonium iodide
61433	N-(4-Fluorophenyl)-ethylendiamine
61488	DL-(2-Fluorophenyl)-glycine
61501	D(-)-(4-Fluorophenyl)-glycine
61510	DL(±)-(4-Fluorphenyl)-glycine
63516	Homoveratrylamine
63719	N-(2-Hydroxyethyl)aniline
64636	N-(4-Hydroxyphenyl)glycine
62679	3-Hydroxytyraminium chloride
62701	2-Iodoaniline
62702	3-Iodoaniline
62703	4-Iodoaniline
62746	Metanilic acid
64950	2-Methoxy-4-nitroaniline
62767	4-Methoxy-2-nitroaniline
62768	4-Methoxy-m-phenylenediamine
65208	4-Methoxy-o-phenylenediammonium chloride
62778	1-Methylaminoanthraquinone
60028	Methyl 2-aminobenzoate
63930	Methyl 4-aminobenzoate
64408	2-Methyl-3-nitroaniline
62814	2-Methyl-4-nitroaniline
62815	2-Methyl-5-nitroaniline
62816	2-Methyl-6-nitroaniline
62216	4-Methyl-2-nitroaniline
62187	4-Methyl-3-nitroaniline
62096	5-Methyl-2-nitroaniline
62825	5-Methylphenazinium methyl sulphate
62843	α-Methyl-DL-tyrosine
15819	2-Nitroaniline
15820	3-Nitroaniline
15822	4-Nitroaniline
63683	2-Nitrodiphenylamine
63691	4-Nitroso-N,N-diethylaniline
63692	N-Nitrosodiphenylamine
64755	L(-)-Noradrenaline-L-tartrate
61438	Pentafluoroaniline
62963	o-Phenetidine
60245	p-Phenetidine
63187	D(-)-α-Phenylaminoacetic acid
63188	DL-α-Phenylaminoacetic acid
63717	N-Phenyldiethanolamine
27807	Sulphanilic acid
65093	2,3,5,6-Tetrachloroaniline
65094	2,3,4,5-Tetrachloroaniline
61454	2,3,5,6-Tetrafluoroaniline
61106	3-Tetrafluoroethoxyaniline
64887	2,4,6-Tribromoaniline
16354	2,4,6-Tribromoaniline
65113	2,3,4-Trichloroaniline
64896	2,4,6-Trichloroaniline
63121	2,4,5-Trichloroaniline
61084	2-Trifluoromethylaniline
61085	3-Trifluoromethylaniline
61200	4-Trifluoromethylaniline
61139	3-(Trifluoromethyl)-diphenylamin
61468	N-(3-Trifluoromethylphenyl)--anthranilic acid
64928	2,4,6-Tris-(dimethylaminomethyl phenol
64941	Veratrylamine

2.1.16.5. Heterocyclic amines

63208	9(5)-Aminoacridine chloride monohydrate
60029	2-Aminobenzothiazole
63221	2-Amino-5-chloropyridine
63222	3-Amino-2-chloropyridine
64467	2-Amino-3,5-dibromopyridine
64462	5-Amino-3,4-dimethylisoxazole
64461	2-Amino-4,6-dimethylpyrimidine
64452	4-Amino-3-hydrazino-5-mercapto-1,2,4-triazole
64448	2-Amino-3-hydroxypyridine
64416	6-Amino-2-hydroxypyridine
63229	5-Aminoindazole
63228	6-Aminoindazole
63230	2-Amino-6-methylbenzothiazole
62082	2-Amino-3-methylpyridine
62083	2-Amino-4-methylpyridine
62084	2-Amino-5-methylpyridine
62085	2-Amino-6-methylpyridine
63235	2-Amino-4(6)-methylpyrimidine
64274	6-Aminonicotinamide
63237	2-Amino-5-nitropyridine
64443	6-Aminopenicillanic acid
64524	3-Amino-1-phenyl-5-pyrazolone
64522	N-Aminophthalimide
63239	N-(3-Aminopropyl)morpholine
64277	2-Aminopyrazine
64518	3-Aminopyrazinecarboxylic acid
62090	2-Aminopyridine
62091	3-Aminopyridine
62092	4-Aminopyridine
64278	2-Aminopyrimidine
64495	4-Aminoquinaldine
64267	8-Aminoquinoline
63241	5-Aminotetrazole monohydrate
60037	2-Aminothiazole
62093	2-Aminothiazoline
63243	3-Amino-1,2,4-triazole
63258	2-Benzylaminopyridine
65167	Carbendazime (BCM)
64837	6-Chloro-2,4-diaminopyrimidine
15705	Creatinine
63994	4,5-Diamino-6-hydroxy-2-mercaptopyrimidine
63995	2,4-Diamino-6-hydroxy-5-nitrosopyrimidine
63996	3,4-Diamino-5-hydroxypyrazole sulphate
63997	2,4-Diamino-6-hydroxypyrimidin monohydrate
64765	4,5-Diamino-6-hydroxypyrimidin sulphate
63998	4,6-Diamino-2-mercaptopyrimidine
63251	2,4-Diamino-6-phenyl-1,3,5-triazine
62438	2,3-Diaminopyridine
62439	2,6-Diaminopyridine
63329	3,4-Diaminopyridine
64740	3,5-Diamino-1,2,4-triazole
62520	3-(Dimethylaminomethyl)indole
64541	4-(Dimethylamino)-pyridine
63459	2,2'-Dipyridylamine
64394	1-Ethyl-3-aminopiperidine
64075	Furfuramide
62616	2-Furfurylamine
64641	L-5-Hydroxytryptophan
63560	DL-5-Hydroxytryptophan
65088	3-Picolylamine
63003	Piperonylamine
65110	2,4,6-Triaminopyrimidine
60340	2,4,6-Triamino-1,3,5-triazine

2.1.17. Nitro and nitroso compounds

2.1.17.1. Unsubstituted nitro and nitroso compounds

64564	1,2-Dinitrobenzene
60478	1,3-Dinitrobenzene
62554	1,4-Dinitrobenzene
62556	2,2'-Dinitrobiphenyl
63851	4,4'-Dinitrobiphenyl
64063	2,5-Dinitrofluorene
62557	1,5-Dinitronaphthalene
65213	4,4'-Dinitrostilbene
63854	2,3-Dinitrotoluene
62558	2,4-Dinitrotoluene
62559	2,6-Dinitrotoluene
62560	3,4-Dinitrotoluene
63531	2,4-Dinitro-m-xylene
64106	2-Methyl-5-nitroimidazole
15823	Nitrobenzene
62873	Nitroethane
63684	2-Nitroethylbenzene
63685	4-Nitroethylbenzene
62885	2-Nitrofluorene
65068	5-Nitroindane
63686	5-Nitroindazole
63689	Nitromesitylene
62889	Nitromethane
60236	1-Nitronaphthalene

2-Nitronaphthalene
2-Nitropropane
Nitrosobenzene
4-Nitrosophenazone

63694 β-Nitrostyrene
62901 2-Nitrotoluene
62902 3-Nitrotoluene
15833 4-Nitrotoluene

62213 3-Nitro-o-xylene
63845 2-Nitro-m-xylene
63844 4-Nitro-m-xylene
62903 5-Nitro-m-xylene

2. Substituted nitro and nitroso compounds

2-Acetamido-5-nitrothiazole
2-Amino-4-nitrobenzoic acid
2-Amino-5-nitrobenzotrifluoride
4-Amino-3-nitrobenzotrifluoride
2-Amino-4-nitrophenol
2-Amino-5-nitrophenol
2-Amino-5-nitropyridine
4-Bromo-3-chloronitrobenzene
3-Bromo-4-fluoronitrobenzene
5-Bromo-2-hydroxy-3-nitropyridine
2-Bromo-4-nitroaniline
2-Bromo-4-nitroanisole
2-Bromo-5-nitroanisole
4-Bromo-3-nitroanisole
2-Bromonitrobenzene
3-Bromonitrobenzene
2-Bromo-4-nitrotoluene
2-Bromo-5-nitrotoluene
4-Bromo-2-nitrotoluene
4-Bromo-3-nitrotoluene
2-Bromo-6-nitrotoluene
1-Chloro-2,4-dinitrobenzene
4-Chloro-3,5-dinitrobenzoic acid
4-Chloro-3,5-dinitrobenzonitrile
2-Chloro-3,5-dinitrobenzotrifluoride
4-Chloro-3,5-dinitrobenzotrifluoride
3-Chloro-4-fluoronitrobenzene
4-Chloro-2-fluoro-5-nitrotoluene
3-Chloro-2-methylaniline
2-Chloro-4-nitroaniline
2-Chloro-5-nitroaniline
4-Chloro-3-nitroaniline
dto.
2-Chloro-5-nitroanisole
4-Chloro-3-nitroanisole
1-Chloro-3-nitrobenzene
4-Chloronitrobenzene
2-Chloronitrobenzene
2-Chloro-4-nitrobenzoic acid
2-Chloro-5-nitrobenzoic acid
4-Chloro-2-nitrobenzoic acid
4-Chloro-3-nitrobenzoic acid
4-Chloro-3-nitrobenzotrifluoride
5-Chloro-2-nitrobenzotrifluoride
2-Chloro-6-nitrobenzyl bromide
4-Chloro-2-nitrodiphenylamine
2-Chloro-4-nitrophenol
4-Chloro-2-nitrophenol
2-Chloro-3-nitropyridine
2-Chloro-4-nitrotoluene
4-Chloro-2-nitrotoluene
5-Chloro-2-nitrotoluene
6-Chloro-2-nitrotoluene
2-Cyano-4-nitroaniline
2,4-Diamino-6-hydroxy-5-nitrosopyrimidine
2,5-Diaminonitrobenzene
3,4-Diaminonitrobenzene
2,6-Dibromo-4-nitroaniline
2,5-Dibromonitrobenzene
2,6-Dibromo-4-nitrophenol
2,6-Dichloro-4-nitroaniline

65211 4,5-Dichloro-2-nitroaniline
62487 2,4-Dichloronitrobenzene
63724 2,5-Dichloronitrobenzene
64514 3,4-Dichloronitrobenzene
64852 3,5-Dichloronitrobenzene
64882 2,4-Dichloro-6-nitrophenol
63392 2,6-Dichloro-4-nitrophenol
61235 1,5-Difluoro-2,4-dinitrobenzene
61058 2,4-Difluoronitrobenzene
61241 2,5-Difluoronitrobenzene
63453 2,4-Dinitroacetanilide
62551 2,4-Dinitroaniline
64990 2,6-Dinitroaniline
62552 3,5-Dinitroaniline
64061 2,4-Dinitroanisole
64563 2,4-Dinitrobenzaldehyde
62555 2,4-Dinitrobenzenesulphenyl chloride
63449 3,3'-Dinitrobenzidine
63451 3,4-Dinitrobenzoic acid
15923 3,5-Dinitrobenzoyl chloride
64978 2,4-Dinitroiodobenzene
64991 2,4-Dinitrophenyl-4-semicarbazide
61322 4-Fluoro-2-nitroaniline
61427 3-Fluoro-6-nitrobenzaldehyde
61428 4-Fluoro-2-nitrobenzaldehyde
61055 2-Fluoronitrobenzene
61056 3-Fluoronitrobenzene
61057 4-Fluoronitrobenzene
61143 2-Fluoro-5-nitrobenzotrifluoride
61516 2-Fluoro-6-nitrobenzyl bromide
61323 4-Fluoro-4'-nitrobiphenyl
61429 2-Fluoro-6-nitrophenol
61325 3-Fluoro-4-nitrophenol monohydrate
61324 3-Fluoro-6-nitrophenol
61430 4-Fluoro-3-nitrophenyltrimethylammonium iodide
61431 2-Fluoro-5-nitropyridine
61478 2-Fluoro-β-nitrostyrene
61482 4-Fluoro-β-nitrostyrene
61061 2-Fluoro-4-nitrotoluene
61062 2-Fluoro-5-nitrotoluene
61063 2-Fluoro-6-nitrotoluene
01811 2-Fluoro-6-nitrotoluene
61326 3-Fluoro-6-nitrotoluene
61327 4-Fluoro-2-nitrotoluene
64083 2-Hydroxy-5-nitrophenyl sulphate dipotassium salt
63546 2-Hydroxy-5-nitropyridine
65032 3-Hydroxy-2-nitropyridine
64085 2-Iodonitrobenzene
63570 3-Iodonitrobenzene
63571 4-Iodonitrobenzene
64086 2-Iodo-4-nitrotoluene
64087 2-Iodo-5-nitrotoluene
64088 4-Iodo-2-nitrotoluene
63612 4-Methoxy-3-nitroacetophenone
64950 2-Methoxy-4-nitroaniline
62767 4-Methoxy-2-nitroaniline
64408 2-Methyl-3-nitroaniline
62814 2-Methyl-4-nitroaniline
62815 2-Methyl-5-nitroaniline
62816 2-Methyl-6-nitroaniline

62216 4-Methyl-2-nitroaniline
62187 4-Methyl-3-nitroaniline
62096 5-Methyl-2-nitroaniline
65044 2-Methyl-3-nitrobenzoic acid
65045 3-Methyl-2-nitrobenzoic acid
63891 3-Methyl-4-nitrobenzoic acid
62818 4-Methyl-3-nitrobenzoic acid
63892 5-Methyl-2-nitrobenzoic acid
62819 N-Methyl-N-nitroso-p-toluenesulphonamide
62869 4-Nitroacetanilide
62870 2-Nitroacetophenone
62871 3-Nitroacetophenone
62872 4-Nitroacetophenone
15819 2-Nitroaniline
15820 3-Nitroaniline
15822 4-Nitroaniline
64735 2-Nitroanisole
64736 4-Nitroanisole
62875 3-Nitrobenzaldehyde
62876 4-Nitrobenzaldehyde
64738 4-Nitrobenzene sulphonylchloride
61260 4-Nitrobenzenediazonium tetrafluoroborate
62878 2-Nitrobenzoic acid
62879 3-Nitrobenzoic acid
27723 4-Nitrobenzoic acid
62880 3-Nitrobenzoic acid sodium salt
65064 2-Nitrobenzonitrile
63681 3-Nitrobenzonitrile
65065 4-Nitrobenzonitrile
61079 2-Nitrobenzotrifluoride
61080 3-Nitrobenzotrifluoride
65188 2-Nitrobenzoyl chloride
62881 3-Nitrobenzoyl chloride
60232 4-Nitrobenzoyl chloride
62882 2-Nitrobenzyl alcohol
65066 3-Nitrobenzyl alcohol
62883 4-Nitrobenzyl alcohol
62884 4-Nitrobenzyl bromide
65067 2-Nitrobenzyl chloride
65214 3-Nitrobenzyl chloride
64847 4-Nitrobenzyl chloroformate
63908 3-Nitrobenzyl iodide
65218 4-Nitrocinnamalaldehyde
65071 2-Nitrocinnamaldehyde
62904 trans-2-Nitrocinnamic acid
65219 4-Nitrocinnamic acid
62887 4-Nitro-m-cresol
63683 2-Nitrodiphenylamine
65063 2-Nitroethanol
22071 5-Nitro-8-hydroxyquinoline
62890 2-Nitrophenol
60238 4-Nitrophenol
64391 4-Nitrophenyl chloroformate
61460 4-Nitrophenyl trifluoroacetate
62893 2-Nitrophenylacetic acid
62894 4-Nitrophenylacetic acid
62892 4-Nitrophenylacetonitrile
63915 2-Nitrophenylhydrazine
65070 3-Nitrophenylhydrazinium chloride
64745 4-Nitrophenylhydrazinium chloride

60418	3-Nitrophthalic acid
63688	2-Nitro-*iso*-phthalic acid
62897	3-Nitrophthalic anhydride
62900	4-Nitropyridine-1-oxide
64749	N-Nitrosodiethylamine
63691	4-Nitroso-N,N-diethylaniline
63692	N-Nitrosodiphenylamine
63693	4-Nitrosophenol
60239	4-Nitroveratrole
27745	Picric acid
63750	2,3,4,5-Tetrachloronitrobenzene
63751	2,3,5,6-Tetrachloronitrobenzene
61102	2-Tetrafluoroethoxynitrobenzene
61103	3-Tetrafluoroethoxynitrobenzene
61104	4-Tetrafluoroethoxynitrobenzene
61105	2-Tetrafluoroethoxy-5-nitrotoluene
65116	2,4,5-Trichloro-1,3-dinitrobenzene
63777	2,3,4-Trichloronitrobenzene
63778	2,4,5-Trichloronitrobenzene
65118	Trichloronitromethane
61391	2,4,5-Trifluoronitrobenzene
63801	Tris-(hydroxymethyl)-nitromethane

2.1.18. Sulphur compounds

2.1.18.1. Aliphatic and alicyclic sulphur compounds

63205	N-Allyl-N'-(2-hydroxyethyl)thiourea
63206	Allylmercaptan
62060	Allyl *iso*-thiocyanate
62062	N-Allylthiourea
63946	2-Aminoethylsulphuric acid
60366	Ammonium-0,0-diethyl dithiophosphate
60365	Ammonium-0,0-dimethyl dithiophosphate
64497	N,N-Bis-(2-hydroxyethyl)-2-aminoethanesulphonic acid
61128	Bis-(perfluorohexyl)-disulphide
64781	(+)-3-Bromocamphor-8-sulphonic acid ammonium salt
64338	(+)-3-Bromocamphor-8-sulphonic acid monohydrate
64339	(+)-3-Bromocamphor-10-sulphonic acid monohydrate
63265	2-Bromoethanesulphonic acid sodium salt
62232	Butanethiol-(1)
62233	Butanethiol-(2)
64708	D(+)-Camphorsulphonic acid
64815	Chlorodimethyl sulphide
64218	Chloromethyl thiocyanate
64372	Chlorosulphonyl *iso*-cyanate
64077	Cyclohexanesulphamic acid
64453	Cyclohexanethiol
64460	Cystamine dichloride
63603	Cysteamine hydrochloride
15337	L(+)-Cysteine hydrochloride
63351	Decanethiol-(1)
63355	Diallyl disulphide
64494	Di-*tert.*-butyl disulphide
62469	Dibutyl sulphide
64627	Di-*tert.*-butyl sulphide
62470	N,N'-Dibutylthiourea
62496	N,N'-Dicyclohexylthiourea
60122	Diethyl sulphate
62433	Diethyl sulphide
60368	O,O-Diethyl thiophosphoric acid chloride
64046	2,3-Dimercaptopropanol-(1)
62531	Dimethyl disulphide
15447	Dimethyl sulphate
62547	Dimethyl sulphide
62548	Dimethyl sulphite
60153	Dimethyl sulphoxide
63432	2-Dimethylaminoethanethiol hydrochloride
60307	Dimethylsulphone
60367	0,0-Dimethylthiophosphoric acid chloride
63460	4,4'-Dithiodibutyric acid
62592	1-Dodecanethiol
62034	Ethanedithiol-(1,2)
63481	Ethanethiol
64406	S-Ethyl chlorothioformate
62756	Ethyl methanesulphonate
64354	Ethyl thiocyanate
64873	Ethyl thioglycolate
61397	Ethyl trifluoromethanesulphonate
61379	S-Ethyl trifluorothioacetate
63473	N,N'-Ethylenethiourea
63500	Heptylmercaptan
63511	1,6-Hexanedithiol
64623	1-Hexanethiol
62736	2-Mercaptoethanol
62739	2-Mercaptopropionic acid
62740	3-Mercaptopropionic acid
62738	Mercaptosuccinic acid
62755	Methanesulphonic acid
64341	Methanesulphonic anhydride
62757	Methanesulphonyl chloride
60378	Methanethiophosphonic acid dichloride
63608	L-Methionine sulphone
63609	L-Methionine sulphoxide
63745	DL-Methionine sulphoxide
61395	Methyl fluorosulphonate
64479	Methyl methylthiomethyl sulphoxide
64710	Methyl phenyl sulphide
63094	Methyl thioglycollate
61399	Methyl trifluoromethanesulphonate
63629	Methylene dithiocyanate
62833	2-Methylpropanethiol-(2)
63581	2-Methylpropanethiol-(1)
64716	N-Methyltaurine
60406	Methyl *iso*-thiocyanate
62838	N-Methylthiourea
63699	Octadecanethiol-(1)
62920	1-Octanethiol
64777	1,5-Pentanedithiol
61129	Perfluorohexanesulphenyl chloride
61039	Perfluorohexanesulphonic acid potassium salt
61038	Perfluorohexanesulphonic acid solution
61041	Perfluorooctanesulphonic acid potassium salt
61040	Perfluorooctanesulphonic acid solution
64812	1,2-Propanedithiol
64813	1,3-Propanedithiol
63020	1-Propanethiol
64814	2-Propanethiol
62862	Sodium dodecyl sulphate
63057	Taurine
63753	1-Tetradecanethiol
60407	Thioacetanilide
63093	Thioacetic acid
64862	Thioacetic acid potassium salt
63092	2,2'-Thiodiacetic acid
63766	3,3'-Thiodipropionic acid
63767	1-Thioglycerol solution
60280	Thioglycollic acid
27813	Thioglycollic acid *80 %*
60282	Thiophenol
16217	Thiourea
63124	Trichloromethanesulphenyl chloride
64901	Trichloromethanesulphonyl chloride
61457	2,2,2-Trifluoroethanesulphonyl chloride
61470	Trifluoromethanesulphonic acid
61398	Trifluoromethanesulphonic anhydride
65129	Trimethylsulphonium iodide
64921	Trimethylsulphoxonium iodure

2.1.18.2. Aromatic sulphur compounds

64252	4-Acetamido-benzoylsulphochloride
63197	4-Acetamidothiophenol
65195	2-Aminodiphenylsulphone
64427	6-Amino-1-hydroxy-3-naphthalenesulphonic acid
64947	4-Amino-2-hydroxy-1-naphthalenesulphonic acid,diazotized
65059	3,6-Amino-1-naphthalenedisulphonic acid
65060	4-Amino-1-naphthalenesulphonic acid
65061	5-Amino-1-naphthalenesulphonic acid
65062	7-Amino-1-naphthalenesulphonic acid
64426	8-Amino-1-naphthol-3,6-disulphonic acid monosodium salt
64525	2-Aminophenol-4-sulphonic acid
64510	Anthraquinone-2-sulphonic acid sodium salt
64819	Benzaldehyde-2,4-disulphonic acid disodium salt dihydrate
64294	1,3-Benzenedisulphonic acid disodium salt
62119	Benzenesulphonamide
60047	Benzenesulphonic acid monohydrate
60048	Benzenesulphonyl chloride
64570	Benzenesulphonyl *iso*-cyanate
62135	Benzylmercaptan
62142	S-Benzyl-*iso*-thiouronium chloride
64456	4-Bromophenyl *iso*-thiocyanate
64468	4-Bromothioanisole
63960	2-Bromothiophenol
64268	3-Chloroaniline-4,6-disulphonamide

4-Chlorobenzenesulphonamide	*61332*	4-Fluorophenyl *iso*-thiocyanate	*27308*	5-Sulphosalicylic acid dihydrate
4-Chlorophenyl *iso*-thiocyanate	*61436*	4-Fluorothiophenol	*61111*	4-Tetrafluoroethoxybenzenesulphonyl chloride
4-Chlorothiophenol	*65174*	2-Hydroxy-4-methoxybenzophenone-5-sulphonic acid	*61112*	N-Tetrafluoroethyl-N-methylbenzene sulphonamide
4,4'-Diaminodiphenyl disulphide	*64083*	2-Hydroxy-5-nitrophenyl sulphate dipotassium salt	*64871*	Thiobenzamide
4,4'-Diaminodiphenylammonium sulphate dihydrate	*62737*	2-Mercaptobenzoic acid	*63765*	Thiobenzoic acid
4,4'-Diaminodiphenylsulphone	*62746*	Metanilic acid	*64877*	4-Toluene sulphonhydrazide
4,4'-Diamino-2,2'-stilbenedisulphonic acid	*64094*	3-Methylbenzyl thiocyanate	*63107*	4-Toluenesulphonamide
Dibenzenesulphimide	*62819*	N-Methyl-N-nitroso-p-toluenesulphonamide	*16265*	Toluenesulphonamide *mixture of 2- and 4-isomers*
Dibenzyl disulphide	*62825*	5-Methylphenazinium methyl sulphate	*27815*	4-Toluenesulphonic acid monohydrate
Dibenzyl sulphide	*63108*	Methyl-4-toluenesulphonate	*64878*	4-Toluenesulphonic acid silver salt
Dibenzyl sulphoxide	*65056*	2-Naphthol-3,6-disulphonic acid disodium salt	*64876*	4-Toluenesulphonic anhydride
1,3-Dibenzylthiourea	*63678*	Naphthyl-(1)-thiourea	*60399*	4-Toluenesulphonyl chloride
3,5-Dichlorophenylmethylsulphone	*64738*	4-Nitrobenzene sulphonylchloride	*65107*	4-Toluenesulphonyl *iso*-cyanate
4,4'-Dihydroxybiphenylsulphone	*61440*	Pentafluorophenyl isothiocyanate	*64606*	Toluenesulphonyl-(4)-methyl *iso*-cyanide
2,4-Dinitrobenzenesulphenyl chloride	*61370*	Pentafluorothiophenol	*64134*	4-Toluenethiol
Diphenyl disulfide	*63723*	Phenylmercaptoacetic acid	*65114*	2,4,5-Trichlorobenzenesulphonyl chloride
Diphenyl sulphide	*63721*	Phenyl *iso*-thiocyanate	*60316*	2,4,6-Triisopropylbenzenesulphonyl chloride
Diphenyl sulphoxide	*62987*	N-Phenylthiourea	*64915*	2,4,6-Trimethylbenzenesulphonic acid dihydrate
Diphenylsulphone	*13507*	Sodium naphthalenesulphonate-(2)		
Diphenylthiourea	*13504*	Sodium naphthalenesulphonate-(1)		
2,2'-Dithiodibenzoic acid	*27807*	Sulphanilic acid		
Ethyl-(4)-toluenesulphonate				
4-Fluorobenzenesulphonamide				
4-Fluorobenzenesulphonyl chloride				

.3. Heterocyclic sulphur compounds (without compounds with S as hetero atom)

4-Amino-3-hydrazino-5-mercapto-1,2,4-triazole	*22023*	8-Hydroxyquinoline sulphate-potassium sulphate	*64105*	N-Methylrhodanine
4(6)-Benzyl-2-thiouracil	*22024*	8-Hydroxyquinoline-5-sulphonic acid	*62840*	4-Methyl-2-thiouracil
Chiniofon-sodium	*64646*	Indole-3-hydrogen sulphate potassium salt	*63030*	4-Propyl-2-thiouracil
N-Cyclohexyl-N'-[β-(N-methylmorpholine)-ethyl]carbodiimide-p-toluenesulphonate	*22012*	7-Iodo-8-hydroxyquinoline-5-sulphonic acid	*63604*	Pyridinethiol-(2)
4,5-Diamino-6-hydroxy-2-mercaptopyrimidine	*63600*	2-Mercaptobenzimidazole	*63605*	Pyrimidinethiol-(2)
4,6-Diamino-2-mercaptopyrimidine	*63601*	2-Mercaptobenzothiazole	*63607*	2-Thiazolinethiol-(2)
2-Fluoro-N-methylpyridinium tosylat *(Mukaiyama's reagent)*	*63602*	2-Mercaptobenzoxazole	*64313*	N^1-2-Thiazolylsulphanilamide
Furanmethanethiol-(2)	*64997*	2-Mercapto-1-methylimidazole	*64133*	Thiocaprolactame
8-Hydroxyquinoline sulphate	*64996*	N-Mesitylenesulphonyl-1-imidazole	*63095*	2-Thiohydantoin
			65105	Thionicotinamide
			63606	Thiooxene hydrochloride
			63100	2-Thiouracil

. Phosphorus compounds

Ammonium-O,O-diethyl dithiophosphate	*62339*	Diphenyl chlorophosphate	*60289*	Tributyl phosphate
Ammonium-O,O-dimethyl dithiophosphate	*64142*	Di-*iso*-propyl phosphite	*63119*	Tributyl phosphine
Benzyltriphenylphosphonium chloride	*64957*	1-(Ethoxycarbonylethyl)-triphenylphosphonium bromide	*65112*	Tributyl phosphite
Chloromethyltriphenylphosphonium chloride	*64248*	Ethyltriphenylphosphonium bromide	*64136*	Tricresyl phosphate
Colaminphosphoric acid	*60179*	Hexamethylphosphoric triamide	*63142*	Trimethyl phosphate
2-Cyanoethyl phosphoric acid barium salt dihydrate	*60376*	Methanephosphonic acid	*60372*	Trimethyl phosphin oxide
Cyclopropyltriphenylphosphonium bromide	*60377*	Methanephosphonic acid dichloride	*65156*	Trioctyl phosphine oxide
Dichlorophenyl phosphine	*60378*	Methanethiophosphonic acid dichloride	*63152*	Triphenyl phosphate
Diethyl phosphite	*62842*	Methyltriphenylphosphonium bromide	*60293*	Triphenyl phosphite
O,O-Diethyl thiophosphoric acid chloride	*60359*	1-Phenyl-1-vinylphosphonic acid	*60404*	Triphenylphosphine
Dimethyl phosphite	*65183*	Propanephosphonic acid anhydride solution	*63153*	Triphenylphosphine oxide
O,O-Dimethylthiophosphoric acid chloride	*16266*	Tetraphenylphosphonium bromide	*64925*	Triphenylvinylphosphonium bromide
	64864	Tetraphenylphosphonium chloride	*60353*	Tris-(hydroxymethyl)-phosphine
			60354	Tris-(hydroxymethyl)-phosphinoxide
			64929	Tris-(triphenylphosphine)rhodium(I) chloride

2.1.20. Antimony, arsenic, boron, selenium, silicon and bismuth compounds

63244	2-Arsanilic acid
63245	4-Arsanilic acid
62117	Benzeneboronic acid
64676	Butylboric acid
64255	Chloromethyltrimethylsilane
62358	Chlorotrimethylsilane
64744	Dichlorodiphenylsilane
64247	Ethyltrichlorosilane
62638	Hexamethyldisilazane
62639	Hexamethyldisiloxane
64995	2-Methylbenzoselenazole
64698	Methyldichlorosilane
61260	4-Nitrobenzenediazonium tetrafluoroborate
64799	Phenyltrichlorosilane
64836	Selenourea
61359	Tetramethylammonium tetrafluoroborate
64945	Trichlorooctadecylsilane
64863	Trichlorovinylsilane
65109	Triethyloxonium tetrafluoroborate
64639	Trimethylsilyl azide
63143	N-(Trimethylsilyl)acetamide
63144	N-(Trimethylsilyl)diethylamine
63147	Triphenylantimony
63800	Triphenylantimony dichloride
63148	Triphenylarsine
63149	Triphenylarsine oxide
63154	Triphenylbismuth
65130	Triphenylsilane

2.1.21. Heterocyclic compounds

2.1.21.1. Pyridines

62016	2-Acetylpyridine
62017	3-Acetylpyridine
62018	4-Acetylpyridine
63221	2-Amino-5-chloropyridine
63222	3-Amino-2-chloropyridine
64467	2-Amino-3,5-dibromopyridine
64448	2-Amino-3-hydroxypyridine
64416	6-Amino-2-hydroxypyridine
62082	2-Amino-3-methylpyridine
62083	2-Amino-4-methylpyridine
62084	2-Amino-5-methylpyridine
62085	2-Amino-6-methylpyridine
64274	6-Aminonicotinamide
63237	2-Amino-5-nitropyridine
62090	2-Aminopyridine
62091	3-Aminopyridine
62092	4-Aminopyridine
64278	2-Aminopyrimidine
64300	2-Benzoylpyridine
62329	3-Benzoylpyridine
62391	4-Benzoylpyridine
63255	Benzyl nicotinate
63258	2-Benzylaminopyridine
62140	2-Benzylpyridine
62141	4-Benzylpyridine
62152	4,4'-Bipyridine
64650	5-Bromo-2-hydroxy-3-nitropyridine
64653	2-Bromo-3-hydroxypyridine
62224	2-Bromopyridine
62225	3-Bromopyridine
62226	4-Bromopyridine hydrochloride
64356	Butyl nicotinate
63051	4-(4-Chlorobenzyl)pyridine
64237	2-Chloro-3-hydroxypyridine
63313	2-Chloro-6-hydroxypyridine
62316	2-Chloro-6-methoxypyridine
64234	2-Chloro-4-methylpyridine
64240	2-Chloro-6-methylpyridine
64238	2-Chloronicotinic acid
62326	2-Chloro-3-nitropyridine
62350	2-Chloropyridine
64433	3-Chloropyridine
64919	4-Chloropyridine-N-oxide
62351	4-Chloropyridinium chloride
63353	4'-Deoxypyridoxol hydrochloride
62438	2,3-Diaminopyridine
62439	2,6-Diaminopyridine
63329	3,4-Diaminopyridine
64003	2,4-Dibenzylpyridine
62495	2,6-Dichloropyridine
63814	3,5-Dichloropyridine
63419	4,6-Dihydroxypyrimidine
64541	4-(Dimethylamino)-pyridine
63459	2,2'-Dipyridylamine
62868	Ethyl nicotinate
62693	Ethyl *iso*-nicotinate
62053	2-Ethylpyridine
62054	3-Ethylpyridine
62055	4-Ethylpyridine
63036	Ethyl 2-pyridinecarboxylate
61499	2-Fluoro-N-methylpyridinium tosylat *(Mukaiyama's reagent)*
61431	2-Fluoro-5-nitropyridine
61349	2-Fluoropyridine
63523	2-(2-Hydroxyethyl)pyridine
63735	4-(Hydroxymethyl)-pyridine
63541	2-Hydroxy-6-methylpyridine
63546	2-Hydroxy-5-nitropyridine
65032	3-Hydroxy-2-nitropyridine
63551	2-Hydroxypyridine
63552	3-Hydroxypyridine
63553	4-Hydroxypyridine
63554	2-Hydroxypyridine-5-carboxylic acid
63555	3-Hydroxypyridine-N-oxide
64145	2,4-Lutidine
62727	2,6-Lutidine
64664	3,4-Lutidine
62728	3,5-Lutidine
63614	2-Methoxypyridine
63649	Methyl nicotinate
64714	3-Methylpyridine 1-oxide
63679	Nicotinamide
63584	*iso*-Nicotinamide
62867	Nicotine
63941	Nicotinic acid
62694	*iso*-Nicotinic acid hydrazide
64112	Nicotinic anhydride
62900	4-Nitropyridine-1-oxide
63705	Pentachloropyridine
60259	2-Picoline
62995	3-Picoline
62996	4-Picoline
63583	4-Propylpyridine
64824	2,2'-Pyridil
16037	Pyridine
16038	Pyridine
16525	Pyridine-2-aldoxime
64825	Pyridine-4-aldoxime
63331	Pyridinecarbonitrile-(2)
63332	Pyridinecarbonitrile-(3)
63333	Pyridinecarbonitrile-(4)
63034	2-Pyridinecarboxylic acid
63035	4-Pyridinecarboxylic acid
63038	2,5-Pyridinedicarboxylic acid
63039	2,6-Pyridinedicarboxylic acid
63040	Pyridine-1-oxide
63804	Pyridinethiol-(2)
64828	Pyridinium chloride
64128	Pyridylaldehyde-(2)
64129	Pyridylaldehyde-(3)
64130	Pyridylaldehyde-(4)
63041	Pyridyl-(2)-methanol
63042	Pyridyl-(3)-methanol
63736	4-Pyridylpyridinium chloride
62273	Quinolinic acid
65105	Thionicotinamide
60302	2-Vinylpyridine
63175	4-Vinylpyridine

2.1.21.2. Other nitrogen-containing six-membered rings

64333	Alloxan tetrahydrate
64461	2-Amino-4,6-dimethylpyrimidine
63235	2-Amino-4(6)-methylpyrimidine
64277	2-Aminopyrazine
64518	3-Aminopyrazinecarboxylic acid
63940	N-Benzylpiperazine dihydrochloride
64305	4-Benzylpiperidine
62138	1-Benzylpiperidinone-(4)
64530	4(6)-Benzyl-2-thiouracil
64837	6-Chloro-2,4-diaminopyrimidine
64389	1-(2-Chloroethyl)-piperidine hydrochloride
64432	1-(3-Chloropropyl)-piperidinium chloride
62377	Cyanuric acid
62376	Cyanuric chloride
63994	4,5-Diamino-6-hydroxy-2-mercaptopyrimidine
63995	2,4-Diamino-6-hydroxy-5-nitrosopyrimidine
63997	2,4-Diamino-6-hydroxypyrimidine monohydrate
64765	4,5-Diamino-6-hydroxypyrimidine sulphate
63998	4,6-Diamino-2-mercaptopyrimidine
63251	2,4-Diamino-6-phenyl-1,3,5-triazine
64960	Dichlorocyanuric acid
63396	2,4-Dichloropyrimidine
63397	4,6-Dichloropyrimidine
64559	2,5-Dimethylpiperazine
62546	2,6-Dimethylpiperidine
64403	N-Ethoxycarbonylpiperazine

1-Ethyl-3-aminopiperidine	*62829*	2-Methylpiperidine
1-Ethyl-3-chloropiperidinium chloride	*63900*	3-Methylpiperidine
N-Ethylpiperidine	*62830*	4-Methylpiperidine
2-Ethylpiperidine	*64711*	1-Methyl-3-piperidinol
Hexadecylpyridinium chloride monohydrate	*62831*	1-Methyl-4-piperidinol
Hexamethylenimine	*62832*	1-Methyl-4-piperidinone
5-Hydroxybarbituric monohydrate	*65053*	2-Methylpyrazine
N-(2-Hydroxyethyl)piperazine	*62840*	4-Methyl-2-thiouracil
1-Hydroxypiperidine	*63703*	Orotic acid monohydrate
3-Hydroxypiperidine	*64131*	Piperazine
4(6)-Hydroxypyrimidine	*60260*	Piperidine
2-Hydroxypyrimidine hydrochloride	*64593*	1-Piperidinecarbaldehyde
2-Methylpiperazine	*63729*	4-Piperidinecarboxylic acid
1-Methylpiperazine	*62999*	Piperidinium chloride
1-Methylpiperidine	*63000*	2-Piperidinoethanol
	63001	Piperine
	60497	N,N'-Propylene urea
	63030	4-Propyl-2-thiouracil
	63031	Pyrazine
	63498	Pyrazinecarboxamide
	64822	2-Pyrazinecarboxylic acid
	64823	2,3-Pyrazinedicarboxylic acid
	63733	Pyridazine
	63597	3,6-Pyridazinediol
	63605	Pyrimidinethiol-(2)
	65096	Tetrachloropyrimidine
	63100	2-Thiouracil
	63773	Triallyl cyanurate
	65110	2,4,6-Triaminopyrimidine
	60340	2,4,6-Triamino-1,3,5-triazine
	65140	1,3,5-Triazine
	65115	Trichloro-iso-cyanuric acid
	63798	1,2,4-Trimethylpiperazine

1.3. Nitrogen-containing other rings

2-Acetyl-N-methylpyrrole	*65155*	5,5-Dimethylhydantoin
2-Acetylpyrrole	*64059*	3,5-Dimethyl-1-phenylpyrazole
Allantoin	*63444*	3,5-Dimethylpyrazole
Alloxantin dihydrate	*64568*	5,5-Diphenylhydantoin
4-Amino-3-hydrazino-5-mercapto-1,2,4-triazole	*63473*	N,N'-Ethylenethiourea
5-Aminotetrazole monohydrate	*15076*	N,N'-Ethyleneurea
3-Amino-1,2,4-triazole	*64239*	1-Ethylimidazole
N-Bromocaprolactame	*63480*	N-Ethylmaleimide
N-Bromosuccinimide	*64609*	Heptamethylenimine
N-Butylimidazole	*62656*	Hydantoin
ε-Caprolactam	*63538*	4-(Hydroxymethyl)-imidazole hydrochloride
1,1'-Carbonyldiimidazole	*65035*	4-Hydroxypiperidine
N-(2-Chloroethyl)-pyrrolidine hydrochloride	*64640*	N-Hydroxysuccinimide
N-Chlorosuccinimide	*63561*	Imidazole
Creatinine	*62332*	Imidazole-4-acrylic acid dihydrate
3,4-Diamino-5-hydroxypyrazole sulphate	*64654*	N-Iodosuccinimide
3,5-Diamino-1,2,4-triazole	*63644*	Lysidine
1,5-Diazabicyclo[4.3.0]non-5-ene	*64665*	Maleimide
1,4-Diazabicyclo[2,2,2]octane	*64997*	2-Mercapto-1-methylimidazole
1,3-Dibromo-5,5-dimethylhydantoine	*64996*	N-Mesitylenesulphonyl-1-imidazole
1,3-Dichloro-5,5-dimethylhydantoine	*64705*	1-Methylimidazole
	63645	2-Methylimidazole
	64106	2-Methyl-5-nitroimidazole
	62835	1-Methylpyrrol
	63657	N-Methylpyrrolaldehyde-(2)
	15780	N-Methylpyrrolidone-(2)
	62932	5-Oxo-L-proline
	62974	2-Phenylimidazole
	64144	2-Phenylimidazoline
	62975	1-Phenyl-3-methylpyrazolone-(5)
	64124	1-Phenylpyrazole
	64125	1-Phenylpyrazolidone-(3)
	63032	Pyrazole
	63044	Pyrrole
	64830	2-Pyrrolecarbaldehyde
	63929	Pyrrole-2-carboxylic acid
	63045	Pyrrolidine
	63046	Pyrrolidone-(2)
	64133	Thiocaprolactame
	63095	2-Thiohydantoin
	63115	1,2,4-Triazole
	61458	N-Trifluoroacetylimidazole
	64135	2,4,5-Triphenylimidazole
	63157	*trans*-Tropine
	63810	N-Vinylpyrrolidone-(2)

1.4. Nitrogen-containing condensed rings

1-Acetyl-3-indolaldehyde	*62270*	Carbazole
3-Acetylindole	*65167*	Carbendazime (BCM)
Acridanone	*61222*	2-Carboxy-5-fluoroindole
Acridine	*63965*	2-Chlorobenzal bromide
Acridinium chloride	*63969*	5-Chlorobenzotriazole
9(5)-Aminoacridine chloride monohydrate	*22069*	5-Chloro-8-hydroxyquinoline
5-Aminoindazole	*22006*	5-Chloro-7-iodo-8-hydroxyquinoline
6-Aminoindazole	*22090*	5-Chloro-7-iodo-8-hydroxyquinoline
3-Amino-1-phenyl-5-pyrazolone	*64548*	4-Chloro-2-phenylquinazoline
N-Aminophthalimide	*64402*	2-Chloroquinoline
4-Aminoquinaldine	*63326*	Cinchonidine
8-Aminoquinoline	*15323*	Cinchonine
Benzimidazole	*22016*	Copper-8-hydroxyquinoline
3,4-Benzo[c]cinnoline	*64687*	1,5-Diazabicyclo[5.4.0]undec-5-ene
Benzo[α]pyridazine	*22055*	5,7-Dibromo-8-hydroxyquinoline
Benzotriazole	*22067*	5,7-Dichloro-8-hydroxyquinoline
7-Bromo-5-chloro-8-hydroxyquinoline	*63398*	4,7-Dichloroquinoline
N-(2-Bromoethyl)-phthalimide	*63418*	2,4-Dihydroxypteridine
5-Bromoindole	*63420*	2,3-Dihydroxyquinoxalene
5-Bromoisatine	*22008*	5,7-Diiodo-8-hydroxyquinoline
N-Bromophthalimide	*62520*	3-(Dimethylaminomethyl)indole
	62524	5,6-Dimethylbenzimidazole
	64056	1,2-Dimethylindole
	64956	N-Ethoxycarbonylphthalimide
	62043	9-Ethylcarbazole
	61308	5-Fluoroindole
	63508	*cis*-Hexahydrophthalimide
	63525	5-Hydroxyindole
	63526	5-Hydroxyindol-3-yl acetic acid
	63539	N-Hydroxymethylphthalimide
	64082	2-Hydroxy-4-methylquinoline
	63550	2-(3-Hydroxypropyl)benzimidazole
	65027	8-Hydroxyquinaldine
	65028	2-Hydroxyquinoline
	63860	4-Hydroxyquinoline
	60187	6-Hydroxyquinoline
	22019	8-Hydroxyquinoline
	22060	8-Hydroxyquinoline benzoate
	22020	8-Hydroxyquinoline hydrochloride
	22022	8-Hydroxyquinoline sulphate
	22023	8-Hydroxyquinoline sulphate-potassium sulphate

63520	2-Hydroxyquinoline-4-carboxylic acid
22024	8-Hydroxyquinoline-5-sulphonic acid
64641	L-5-Hydroxytryptophan
63560	DL-5-Hydroxytryptophan
15631	Indole
64643	Indole-3-acetonitrile
64644	Indole-3-acrylic acid
62688	Indole-2-carboxylic acid
63862	Indole-3-carboxylic acid
63863	Indole-5-carboxylic acid
64645	Indole-3-ethanol
64646	Indole-3-hydrogen sulphate potassium salt
62689	Indoline
62600	3-Indolyl acetate
65006	Indolyl-3-acetic acid
63566	4-(3-Indolyl)-butyric acid
62690	3-(3-Indolyl)-propionic acid
22012	7-Iodo-8-hydroxyquinoline-5-sulphonic acid
62691	Isatoic anhydride
62692	Isoquinoline
63591	Kynurenic acid
63600	2-Mercaptobenzimidazole
64373	5-Methoxyindole
63618	2-Methylbenzimidazole
64093	1-Methylbenzotriazole
60491	1-Methylindole
64706	2-Methylindole
62810	3-Methylindole
63646	3-Methyl *iso*-quinoline
63660	6-Methylquinoline
63661	8-Methylquinoline
63562	2-Methylquinoxaline
22071	5-Nitro-8-hydroxyquinoline
63686	5-Nitroindazole
64116	4-Nitrosophenazone
62962	Phenazine
64791	2-Phenylindole
22025	Phenylmercury-8-hydroxyquinoline
62992	Phthalimide
64801	Phthalimide-potassium
62271	Quinaldine
64558	Quinazoline
64382	Quinine
60089	Quinoline
15305	Quinoline
64385	Quinoxaline
64775	3-Quinuclidinol
63077	1,2,3,4-Tetrahydroisoquinoline
63075	1,2,3,4-Tetrahydroquinoline
63606	Thiooxene hydrochloride

2.1.21.5. Oxygen-containing rings

63939	2-Acetylbutyrolactone
62061	Allylglycide ether
64515	α-Angelicalactone
64292	Benzo [b] furan
64293	2-Benzofurancarboxylic acid
62185	2-Bromo-γ-butyrolactone
62200	5-Bromofuran-2-carboxylic acid
62249	*n*-Butyl glycidyl ether
62262	ε-Caprolactone
63582	(±)-*iso*-Citric acid lactone
65134	12-Crown-4
65135	15-Crown-5
64345	18-Crown-6
63335	1,5,9-Cyclododecatriene monoxide
63337	Cyclohexene oxide
62417	Dehydroacetic acid
53986	Dehydroacetic acid sodium salt
63990	Dehydroascorbic acid
64820	Dibenzo-18-crown-6
62442	Dibenzofuran
64764	2,6-Dibromopyridine
64509	4,5-Dichloro-1,3-dioxolan-2-one
64959	2,3-Dichloromaleic anhydride
64523	1,2:3,4-Diepoxybutane
62421	2,5-Diethoxytetrahydrofuran
64042	Dihydrocoumarin
60139	3,4-Dihydro-2H-pyrane
63416	5,7-Dihydroxy-4-methylcoumarin
62518	*cis,trans*-2,5-Dimethoxytetrahydrofuran
64992	1,3-Dioxan
24225	1,4-Dioxan
24224	1,4-Dioxan
62562	1,3-Dioxolane
63464	Ellagic acid
64582	Epibromhydrin
60162	Epichlorhydrin
62598	1,2-Epoxybutane
64583	2,3-Epoxy-1-propanol
62047	Ethylene oxide
62612	Ethyl 2-furancarboxylate
65011	Ethyl 3-furancarboxylate
62610	Furan
62611	Furan-2-carboxylic acid
65010	Furan-3-carboxylic acid
65012	Furan-3,4-dicarboxylic acid
62613	Furanmethanethiol-(2)
15517	Furfural
64074	Furfuralacetone
64075	Furfuramide
62615	Furfuryl alcohol
62616	2-Furfurylamine
64597	2-Furoyl chloride
63489	3-(2-Furyl)acrylic acid
15608	Heliotropin
64617	Hexamethylene oxide
62672	4-Hydroxycoumarin
64080	6-Hydroxy-4-methylcoumarin
63542	3-Hydroxy-2-methyl-1,4-pyrone
65030	2-Hydroxymethyltetrahydropyrane
63590	Khellin
65082	Meldrum's acid
65181	2-Methoxy-1,4-dioxan
65182	2-Methoxytetrahydrofuran
64096	6-Methylcoumarin
62801	3,3'-Methylenebis(4-hydroxycoumarin)
64701	3,4-Methylenedioxyphenol
62806	2-Methylfuran
63665	2-Methyltetrahydrofuran
64108	4-Methylumbelliferone
61026	1H,1H,2H,3H,3H-Perfluorononylene oxide-(1,2)
63744	Phenylethylene oxide
62991	Phthalide
65088	3-Picolylamine
63001	Piperine
64806	Piperonyl alcohol
63003	Piperonylamine
63737	Pyromellitic dianhydride
64832	Safrole
16212	Tetrahydrofuran
65100	Tetrahydrofurfuryl chloride
63076	2+3-(Tetrahydrofurfuryloxy)tetrahydropyran
63079	Tetrahydropyran
63146	1,3,5-Trioxane
63169	γ-Valerolactone
64943	9-Xanthencarboxylic acid
63181	Xanthone
64138	Xanthydrol solution

2.1.21.6. Sulphur-containing rings

64229	N-Acetyl-DL-homocysteine thiolactone
65159	2-Acetylthiophen
62129	2-Benzoylthiophene
62227	2-Bromothiophene
64451	3-Bromothiophene
65185	5-Bromothiophenecarbaldehyde-2
62353	2-Chlorothiophene
62444	Dibenzothiophene
64010	2,5-Dibromothiophene
64029	2,5-Dichlorothiophene
63448	2,4-Dimethylsulpholane
64575	1,3-Dithiane
62583	1,3-Dithiolanethione-(2)
64303	Ethyl 1,3-dithiane-2-carboxylate
65031	2-Hydroxymethylthiophene
63573	2-Iodothiophene
64715	3-Methylsulpholane
62839	2-Methylthiophene
64717	3-Methylthiophene
63056	3-Sulpholene
63080	Tetrahydrothiophene
65079	Tetraiodothiophene
60278	Tetramethylene sulphone
61381	1-[Thenoyl-(2')]-3,3,3,-trifluoroacetone
64870	Thianthrene
16218	Thiophene
63096	Thiophenecarbaldehyde-(2)
65106	2-Thiophenecarbonyl chloride
63097	Thiophene-2-carboxylic acid
65162	2,3,5-Tribromothiophene

7. Various rings containing hetero atoms

2-Acetamido-5-nitrothiazole
4-Acetylmorpholine
2-Aminobenzothiazole
5-Amino-3,4-dimethylisoxazole
2-Amino-6-methylbenzothiazole
6-Aminopenicillanic acid
N-(3-Aminopropyl)morpholine
2-Aminothiazole
2-Aminothiazoline
4,5-Benzisoxazole
Benzothiazole
N-Bromosaccharin
4-(2-Chloroethyl)morpholinium chloride
2-Chlorophenothiazine

64457 N-Cyclohexyl-N'-[β-(N-methylmorpholine)-ethyl]carbodiimide-p-toluenesulphonate
63987 N,N-Diacetylaminorhodanine
60426 2,4-Dimethyl-5-acetylthiazole
62050 N-Ethylmorpholine
62846 N-(2-Hydroxyethyl)-morpholine
63601 2-Mercaptobenzothiazole
63602 2-Mercaptobenzoxazole
64995 2-Methylbenzoselenazole
63619 2-Methylbenzothiazole
62785 2-Methylbenzoxazole
65042 5-Methylisoxazole
62811 N-Methylmorpholine

64105 N-Methylrhodanine
15740 Morpholine
65057 1,8-Naphthosultone
60247 Phenothiazine
61372 2-Phenyl-4-(2-fluorobenzal)-5-oxazolone
61373 2-Phenyl-4-(3-fluorobenzal)-5-oxazolone
61374 2-Phenyl-4-(4-fluorobenzal)-5-oxazolone
63090 L(-)-Thiazolidine-4-carboxylic acid
65104 2,4-Thiazolidinedione
63607 2-Thiazolinethiol-(2)
64313 N^1-2-Thiazolylsulphanilamide

8. Metalorganic and complex compounds

Acetylferrocene
Aluminium acetylacetonate
Bis-(benzoylcyclopentadienyl)-iron
Bis(tributyltin) oxide
Boron trifluoride methyl ether-complex
Boron trifluoride-acetic acid-complex
Boron trifluoride-diethyl ether-complex
Boron trifluoride-ethylamine-complex
Boron trifluoride-piperidine-complex
Boron trifluoride-*iso*-propylamine-complex
Boron trifluoride-triethanolamine-complex
4-(Chloromercuri)benzoic acid
4-(Chloromercuri)benzoic acid sodium salt
Chromium(III) acetylacetonate
Cobalt(II) acetylacetonate
Cobalt(III) acetylacetonate
Copper(II) acetylacetonate
Dibutyltin diacetate

64498 Dibutyltin dichloride
62550 Dimethyltin dichloride
64952 Dioctyltin dichloride
64953 Dioctyltin oxide
62575 Diphenylmercury
62603 Ferrocene
64611 Hexabutylditin
62687 Indium(III) acetylacetonate
62596 Iron(II) acetylacetonate
62597 Iron(III) acetylacetonate
64660 Lithium aluminium-tri-*tert.*-butoxyhydride
62729 Magnesium acetylacetonate
62734 Manganese(II) acetylacetonate
62735 Manganese(III) acetylacetonate
64931 Molybdenyl acetylacetonate
62866 Nickel(II) acetylacetonate
64397 Palladium(II) acetylacetonate
22101 Phenylmercury acetate
22103 Phenylmercury acetate solution *25%*
22111 Phenylmercury chloride
62986 Phenylmercury nitrate
22105 Phenylmercury oleate

22025 Phenylmercury-8-hydroxyquinoline
65086 Phenyl-(tribromomethyl)-mercury
65144 Phosphorus(V) sulphide pyridine complex
64844 Sodium acetylacetonate
65215 Sodiumaluminiumbis-(2-methoxyethoxy)-dihydride
63070 Tetrabutyltin
64854 Tetracyclohexyltin
65099 Tetradodecyltin
60479 Tetramethyltin
63089 Tetraphenyltin
63764 Tetravinyltin
65138 Titanyl acetylacetonate monohydrate
64891 Tributyltin acetate
63120 Tributyltin chloride
60480 Trimethyltin chloride
64929 Tris-(triphenylphosphine)rhodium(I) chloride
63172 Vanadium(IV) oxide acetylacetonate
63135 Zinc(II) acetylacetonate
63139 Zirconium(IV) acetylacetonate

9. Metal carbonyls

Chromcarbonyl
Cobalt carbonyl
tri-Iron-dodecacarbonyl
di-Iron-nonacarbonyl

65041 *di*-Manganese decacarbonyl
64720 Molybdenumhexacarbonyl
65089 *tetra*-Rhodium dodecacarbonyl

65090 *hexa*-Rhodium hexadecacarbonyl
65091 *tri*-Ruthenium dodecacarbonyl
63179 Tungstenhexacarbonyl

10. Elements and inorganic compounds for organic synthesis

Aluminium chloride
Aluminium selenide
Boron tribromide
Boron trichloride
Boron triiodide
Bromine
Carbon disulphide
Copper
Cyanamide solution
Cyanogen bromide
Difluorophosphoric acid
Diphosphoric acid
Germanium(IV) chloride
Hexammine-cobalt(III) chloride
Hydrazine dichloride

15622 Hydrazine hydrate solution *about 24%*
18412 Hydrazine hydrate solution *about 80%*
02205 Hydrobromic acid *about 63%*
02201 Hydrogen bromide *about 33% in acetic acid glacial*
01006 Hydrogen fluoride
61473 Hydrogen fluoride *37% solution in triethylamine*
61472 Hydrogen fluoride *70% solution in pyridine*
03002 Iodine
03111 Iodine monobromide
03116 Iodine monochloride
03117 Iodine trichloride

65037 Iodocyane
12353 Iron(II) sulphate
12352 Iron(II) sulphate-7-hydrate
12363 Iron(II) sulphide
13062 Lithium
13050 Lithium aluminium hydride
13051 Lithium aluminium hydride
62724 Lithium amide
62725 Lithium borohydride
62726 Lithium hydride
13110 Magnesium
13132 Magnesium perchlorate
04004 Phosphorus red
60351 Phosphorus black
04002 Phosphorus yellow

04601	Phosphorus oxide chloride
04603	Phosphorus(III) chloride
04602	Phosphorus(V) chloride
04604	Phosphorus(V) sulphide
63008	Platinum(II) chloride
64809	Platinum(IV) chloride
62712	Potassium borohydride
62713	Potassium cyanate
11812	Potassium cyanide
63047	Rhodium(III) chloride-3-hydrate
63048	Ruthenium(IV) oxide
10106	Selenium tetrachloride
13401	Sodium
62860	Sodium amide
62861	Sodium borohydride
11835	Sodium cyanide
62863	Sodium hydride
63741	Sodium hydride
13456	Sodium peroxide
13806	Sulphur chloride
60389	Sulphuryl chloride
14800	Tellurium(IV) chloride
64874	Thionyl bromide
18438	Thionyl chloride
63098	Thiophosgene
63099	Thiophosphoryl chloride

2.2. BIOSYNTH®, products for biochemistry

2.2.1. Amino acids

39004	D(-)-Alanine
39002	L(+)-Alanine
39003	DL-Alanine
39001	β-Alanine
39051	4-Aminohippuric acid
39050	4-Aminohippuric acid sodium salt monohydrate
39049	5-Aminolevulinic acid hydrochloride
39024	L(+)-Arginine
39346	DL-Arginine
39005	D(-)-Arginine monohydrochloride
39006	L(+)-Arginine monohydrochloride
39174	DL-Arginine monohydrochloride
39007	D-Asparagine monohydrate
39288	L-Aspartic acid
39189	DL-Aspartic acid
39240	S-Benzyl-L-cysteine
39300	O-Benzyl-L-tyrosine
39432	S-*tert.*-Butylmercapto-L-cysteine
39082	L(+)-Carnosine
39008	L(+)-Citrulline
39424	D-Cycloserine
39010	L(+)-Cysteine
39009	L(-)-Cystine
39266	3,4-Dihydroxy-DL-phenylalanine
39011	3,4-Dihydroxy-L-phenylalanine
39399	3,5-Diiodo-DL-thyronine
39403	3,5-Diiodo-L-thyronine
39400	3,5-Diiodo-L-tyrosine
39277	DL-Ethionine
39296	S-Ethyl-L-cysteine
39397	2-Fluoro-DL-phenylalanine
39395	3-Fluoro-DL-phenylalanine
39392	4-Fluoro-DL-phenylalanine
39012	D(-)-Glutamic acid
39367	L(+)-Glutamic acid
39191	DL-Glutamic acid
39013	L(+)-Glutamic acid hydrochloride
39015	L(-)-Histidine
39016	L(+)-Histidine monohydrochloride monohydrate
39215	DL-Homocysteine
39204	L-Homoserine
39205	DL-Homoserine
39014	L(-)-4-Hydroxyproline
39089	3-Iodo-L-tyrosine
39018	L(+)-*iso*-Leucine
39017	DL-*iso*-Leucine
39192	DL-Leucine
39020	D(-)-Leucine
39019	L(+)-Leucine
39022	L(+)-Lysine monohydrate
39021	L(+)-Lysine monohydrochloride
39025	D(-)-Methionine
39023	L(+)-Methionine
39182	DL-Methionine
39027	L(+)-Norleucine
39028	L(+)-Ornithine monohydrochloride
39030	D(+)-Phenylalanine
39031	L(-)-Phenylalanine
39029	DL-Phenylalanine
39212	DL-3-Phenylserine monohydrate
39032	L(-)-Proline
39184	DL-Proline
39033	L(+)-Serine
39026	Sodium-L-glutamate monohydrate
39035	D(+)-Threonine
39034	L(-)-Threonine
39036	DL-Threonine
39449	L-Thyroxine sodium salt
39039	D(+)-Tryptophan
39037	L(-)-Tryptophan
39038	DL-Tryptophan
39040	D(+)-Tyrosine
39041	L(-)-Tyrosine
39193	DL-Tyrosine
39042	D(-)-Valine
39043	L(+)-Valine
39044	DL-Valine

2.2.2. Amino acid derivatives

39046	N-Acetyl-L-cysteine
39122	N-Acetyl-D-glucosamine
39242	N-Acetyl-L-leucine
39045	N-Acetyl-DL-methionine
39190	N-Acetyl-L-methionine
39047	N-Acetylneuramic acid (NANA)
39048	N-Acetyl-DL-tryptophan
39098	N-Acetyl-L-tyrosine ethyl ester monohydrate
39289	L-Aspartic acid-β-benzyl ester
39099	N^{α}-Benzoyl-L-argininamide hydrochloride monohydrate
39294	N^{α}-Benzoyl-L-arginine
39052	N^{α}-Benzoyl-L-arginine ethyl ester hydrochloride
39297	N-Benzoyl-DL-phenylanaline-2-naphthyl ester
39431	γ-Benzyl L-glutamate
39053	N-Benzyloxycarbonyl-L-alanine
39061	N^{α}-Benzyloxycarbonyl-L-arginine
39238	N-Benzyloxycarbonyl-L-asparagine
39239	N-Benzyloxycarbonyl-L-asparagine-4-nitrophenylester
39241	N-Benzyloxycarbonyl-S-benzyl-L-cysteine
39254	N-Benzyloxycarbonyl-O-*tert.*-butyl-L-serine dicyclohexylammonium salt
39255	N-Benzyloxycarbonyl-O-*tert.*-butyl-L-- threonine dicyclohexylammonium salt
39256	N-Benzyloxycarbonyl-O-*tert.*-butyl-L-tyrosine dicyclohexylammonium salt
39245	N^{α}-Benzyloxycarbonyl-N^{γ}-(4,4'-dimethoxybenzhydril)-L-glutamine
39056	N-Benzyloxycarbonyl-L-glutamic acid
39247	N-Benzyloxycarbonyl-L-glutamic acid *tert.*-butyl ester dicylohexylammonium salt
39054	N-Benzyloxycarbonyl-L-glutamine
39244	N-Benzyloxycarbonyl-L-glutamine-*tert.*-butyl ester
39243	N-Benzyloxycarbonyl-L-glutamine-4-nitrophenyl ester
39055	N-Benzyloxycarbonyl-L-glutamyl-L-phenylalanine
39057	N-Benzyloxycarbonyl-L-glutamyl-L-tyrosine
39058	N-Benzyloxycarbonylglycine
39248	N^{α}-Benzyloxycarbonyl-L-histidine hydrazide
39249	N-Benzyloxycarbonyl-L-*iso*-leucine dicyclohexylammonium salt
39250	N-Benzyloxycarbonyl-L-leucine dicyclohexylammonium salt
39059	N^{ε}-Benzyloxycarbonyl-L-liysine
39246	N^{α}-Benzyloxycarbonyl-L-lysine
39062	N-Benzyloxycarbonyl-L-phenylalanine
39251	N-Benzyloxycarbonyl--L-phenylalanine-2,4,5-trichlorophenyl ester
39063	N-Benzyloxycarbonyl-L-serine
39064	N-Benzyloxycarbonyl-L-threonine
39065	N^{α}-Benzyloxycarbonyl-L-tryptophan
39066	N-Benzyloxycarbonyl-L-tyrosine
39067	N-Benzyloxycarbonyl-L-valine
39258	N-Benzyloxycarbonyl-L-valine dicyclohexylammonium salt

N -Benzyloxycarbonyl-L-valine-2,4,5-trichlorophenyl ester
Benzyl L-phenylalaninate hydrochloride
N-(*tert.*-Butoxycarbonyl)-L-alanine
N^{α}-(*tert.*-Butoxycarbonyl)-L-asparagine
N-(*tert.*-Butoxycarbonyl)-L-aspartic acid-β-*tert.*-butylester dicyclohexylammonium salt
N-(*tert.*-Butoxycarbonyl)-O-benzyl-L-serine dicyclohexylammonium salt
N-(*tert.*-Butoxycarbonyl)-O-benzyl-L-tyrosine
N^{α}-(*tert.*-Butoxycarbonyl)-N^{ε}-formyl-L-lysine
N-(*tert.*-Butoxycarbonyl)-L-glutamic acid-γ-benzylester dicyclohexylammonium salt
N-(*tert.*-Butoxycarbonyl)-L-glutamic acid-γ-*tert.*-butylester dicyclohexylammonium salt
N^{α}-(*tert.*-Butoxycarbonyl)-L-glutamine
N-(*tert.*-Butoxycarbonyl)-glycine
N-(*tert.*-Butoxycarbonyl)-L-leucine
N-(*tert.*-Butoxycarbonyl)-L-methionine dicyclohexylammonium salt
N^{α}-(*tert.*-Butoxycarbonyl)-N^{ω}-nitro-L-arginine

39078 N-(*tert.*-Butoxycarbonyl)-L-norleucine dicyclohexylammonium salt
39489 N-(*tert.*-Butoxycarbonyl)-L-phenylalanine
39079 N-(*tert.*-Butoxycarbonyl)-β-phenyl-L-alanine dicyclohexylammonium salt
39490 N-(*tert.*-Butoxycarbonyl)-L-proline
39253 N-(*tert.*-Butoxycarbonyl)-L-serine
39491 N^{α}-(*tert.*-Butoxycarbonyl)-L-tryptophane
39081 N-(*tert.*-Butoxycarbonyl)-L-valine dicyclohexylammonium salt
39257 O-*tert.*-Butyl-L-tyrosine methylester hydrochloride
39083 Dimethyl L-glutamate hydrochloride
39086 Ethyl glycinate hydrochloride
39295 Ethyl-L-alaninate hydrochloride
39287 Ethyl DL-alaninate hydrochloride
39298 Ethyl N-benzoyl-L-tyrosinate
39183 EthylL-methioninate ethyl ester hydrochloride
39084 L-Glutathione (oxidised)
39085 L-Glutathione (reduced)
39108 Glycinamide hydrochloride
39091 L-*iso*-Leucine methyl ester hydrochloride

39090 L-Leucine methyl ester hydrochloride
39087 Methyl glycinate hydrochloride
39279 Methyl-β-alaninate hydrochloride
39280 Methyl-L-alaninate hydrochloride
39299 Methyl S-benzyl-L-cysteinate hydrochloride
39088 Methyl L-histidinate dihydrochloride
39092 Methyl L-methioninate hydrochloride
39421 Methyl N^{ω}-nitro-L-argininate hydrochloride
39094 Methyl L-phenylalaninate hydrochloride
39096 Methyl-L-tyrosinate hydrochloride
39415 N-2-Naphthyloxycarbonyl-DL-phenylalanine
39093 N^{ω}-Nitro-L-arginine
39366 N-Phenylglycine
39095 L-Serine methyl ester hydrochloride
39121 N^{α}-Tosyl-L-arginine methyl ester hydrochloride
39454 L-Tryptophan methyl ester hydrochloride
39459 L-Valine methyl ester hydrochloride

Enzyme substrates

Acetaldehyde
Acetylcholine chloride
Acetylcholine iodide
Acetylthiocholine bromide
Acetylthiocholinium iodide
N-Acetyl-L-tyrosine ethyl ester monohydrate
Adenosine
Adenosine-5'-triphosphoric acid disodium salt
Amygdalin
N^{α}-Benzoyl-L-arginine ethyl ester hydrochloride
Bis-(p-nitrophenyl)-phosphate calcium salt
6-Bromo-2-naphthyl-β-D-galactopyranoside
6-Bromo-2-naphthyl-β-D-glucopyranoside
Butyrylcholine chloride
Butyrylcholine iodide
Butyrylthiocholine iodide
Casein
Choline chloride
Choline iodide
Collagen
Creatinephosphoric acid disodium salt hexahydrate
Elastin-Congo red

39362 D-Fructose-1,6-diphosphoric acid trisodium salt
39363 D-Fructose-1-monophosphoric acid barium salt
39138 D-Fructose-6-phosphoric acid barium salt
39147 D-Glucose-6-phosphoric acid barium salt
39146 D-Glucose-1-phosphoric acid disodium salt
39084 L-Glutathione
39085 L-Glutathione
39390 L(-)Glyceraldehyde
39371 Glycerol triacetate
39108 Glycinamide hydrochloride
39109 Glycylglycine
39216 DL-Homocysteine thiolactone hydrochloride
39379 Hyaluronic acid
39380 Hyaluronic acid potassium salt
39200 Inosine
39148 *meso*-Inositol
39111 2-Ketoglutaric acid
39275 L(-)-Malic acid
39276 DL-Malic acid
39105 1-Naphthyl acetate
39106 2-Naphthyl acetate
39113 Naphtol-AS®-acetate

39107 4-Nitrophenyl acetate
39120 4-Nitrophenyl sulphate potassium salt
39117 2-Nitrophenyl-β-D-galactopyranoside
39116 4-Nitrophenyl-α-D-galactopyranoside
39365 2-Nitrophenyl-β-D-glucopyranoside
39118 4-Nitrophenyl-α-D-glucopyranoside
39119 4-Nitrophenyl-β-D-glucopyranoside
39494 Phosphoenol pyruvate silver-barium salt
39100 Pyruvic acid sodium salt
39153 D(+)-Raffinose pentahydrate
39439 Ribonucleic acid
39155 D-Ribose-5-phosphoric acid barium salt
39207 Serotonin-creatinine sulphate monohydrate
39115 Sodium naphthyl-1-phosphate
39237 *tri*-Sodium-DL-*iso*-citrate dihydrate
39163 D(-)-Sorbitol
39372 Tributyrin
39110 Uric acid
39159 D(+)-Xylose

Carbohydrates and carbohydrate phosphates

N-Acetyl-D-galactosamine
Adonitol(ribitol)
D(-)-Arabinose
L(+)-Arabinose
DL-Arabinose
D(+)-Arabitol
L(-)-Arabitol
Calcium-D-saccharate
D-Cellobiose

39130 α-D(+)-*gluco*-Chloralose
39129 Chondroitin sulphate sodium salt
39132 2-Deoxy-D-glucose
39133 2-Deoxy-D-ribose
39134 D(+)-Digitoxose
39131 Dulcitol
39135 *meso*-Erythritol
39213 D-Erythrose
39361 D-Fructose

39362 D-Fructose-1,6-diphosphoric acid trisodium salt
39363 D-Fructose-1-monophosphoric acid barium salt
39138 D-Fructose-6-phosphoric acid barium salt
39136 D(+)-Fucose
39137 L(-)-Fucose
39139 D-Galactosamine hydrochloride

39364 D(+)-Galactose
39143 D(+)-Galacturonic acid monohydrate
39145 β-Gentiobiose
39141 D(+)-Gluconic acid-δ-lactone
39144 α-D(+)-Glucosamine hydrochloride
39147 D-Glucose-6-phosphoric acid barium salt
39146 D-Glucose-1-phosphoric acid disodium salt
39140 D(+)-Glucuronic acid-γ-lactone
39370 DL-Glyceraldehyde
39142 Glycogen
39376 Guanosine-5′-monophosphoric acid disodium salt
39148 *meso*-Inositol
39149 Inulin
39214 D(-)-Lyxose
39407 D(+)-Maltose
39150 D(+)-Mannose
39151 α-D(+)-Melibiose monohydrate
39152 Palatinose
39153 D(+)-Raffinose pentahydrate
39154 α-L(+)-Rhamnose monohydrate
39156 D(-)-Ribose
39155 D-Ribose-5-phosphoric acid barium salt
39171 D-Salicin
39162 D-Sedoheptulose monohydrate
39163 D(-)-Sorbitol
39157 L(-)-Sorbose
39161 D-Tagatose
39160 D(+)-Trehalose dihydrate
39158 Xylitol
39159 D(+)-Xylose

2.2.5. Nucleobases, nucleosides and nucleotides

39173 Adenine
39224 Adenine sulphate
39225 Adenosine
39273 Adenosine-3′,5′-cyclophosphoric acid
39269 Adenosine-2′-monophosphoric acid
39270 Adenosine-3′-monophosphoric acid
39185 Adenosine-5′-triphosphoric acid
39208 Adenosine-5′-triphosphoric acid disodium salt
39344 4-Aminouracil
39196 5-Aminouracil
39290 5-Azacytidine
39291 8-Azaguanine
39292 6-Azauracil
39307 5-Bromodeoxyuridine
39308 5-Bromoindoxyl acetate
39313 5-Bromonuridine
39312 5-Bromouracil
39226 Cytidine
39227 Cytidine monophosphoric acid
39331 Cytidine-5′-diphosphoric acid trisodium salt
39332 Cytidine-2′(3′)-monophosphoric acid
39228 Cytidine-5′-monophosphoric acid disodium salt
39229 Cytosine
39335 2′-Deoxyadenosine
39338 2′-Deoxycytidinium chloride
39340 2′-Deoxyguanosine
39341 2′-Deoxyinosine
39347 2′-Deoxyuridine
39410 4,5-Diaminouracil sulphate-(5,6)
39351 6-Dimethylaminopurine
39359 5-Fluorodeoxyuridine
39360 5′-Fluorouracil
39177 Guanine
39178 Guanine hydrochloride
39230 Guanosine
39375 Guanosine-5′-diphosphoric acid trisodium salt
39376 Guanosine-5′-monophosphoric acid disodium salt
39430 Guanosine-2′(3′)-phosphate disodium salt
39179 Hypoxanthine
39200 Inosine
39217 Inosine-5′-diphosphate trisodium salt
39413 Inosine-5′-phosphoric acid disodium salt
39393 5-Iodo-2′-deoxyuridine
39396 5-Iodouridine
39181 6-Mercaptopurine
39411 6-Methylaminopurine
39412 5-Methylcytosine
39235 6-Methyluracil
39202 5-Nitrouracil
39385 2′,3′-O-*iso*-Propyleneadenosine
39186 Purine
39231 Pyrimidine
39448 2-Thiouracil
39187 Thymidine
39188 Thymine
39203 Uracil
39232 Uridine
39457 Uridine-5′-monophosphoric acid disodium salt
39458 Uridine-5′-triphosphoric acid trisodium salt
39233 Xanthine
39234 Xanthosine

2.2.6. Fatty acids and derivatives

39164 Capric acid
39378 *n*-Caproic acid
39426 *n*-Caprylic acid
39353 Elaidic acid
39356 Erucic acid
39408 Heptadecanoic acid
39165 Lauric acid
39180 Linolenic acid
39414 2-Naphthyl laurate
39425 Nonadecanoic acid
39427 Oleic acid
39455 Undecanoic acid

2.2.7. Buffers see 1.9.

2.2.8. Auxiliaries and reagents for peptide chemistry

39104 1-Acetylimidazole
39475 1-Adamantyl fluoroformate
39286 L-Alanylglycine
39404 DL-Alanyl-DL-norvaline
39281 Albumin
39428 5-Aminotetrazole monohydrate
39284 Ammonium sulphate
39303 Bis-(4-fluoro-3-nitrophenyl)-sulphone
39261 N-(*tert.*-Butoxycarbonyloxy)-succinimide
39323 Citraconic anhydride
39306 Cyanogen bromide
39348 Di-*tert.*-butyl dicarbonate
39076 1,2-Diphenylvinylencarbonate
39467 Glyoxylic acid sodium salt
39394 Iodoacetic acid
39391 4-Iodobenzenesulphonyl chloride
39420 Ninhydrin
39437 Pyridoxal hydrochloride
39301 Succinic anhydride

2.2.9. Other biochemicals

39282 α-Acetamidocinnamic acid dihydrate
39499 Adrenosterone
39492 2-Aminoethanol
39345 D(+)-Arabonic acid potassium salt
39305 Boric acid
39219 Calcium-D(+)-pantothenate
39317 4-Chlorobenzylamine
39319 6-Chloropurine
39322 Cholic acid sodium salt
39325 Coenzyme B12
39423 Dextran MG 40000
39418 Dextran MG 70000
39471 Dextran MG 110000
39401 L-β,γ-Dipalmitoyl-α-lecithin
39206 Escin
39498 Esculetine
39168 Esculin
39278 N-Ethylmaleimide
39357 Flavin adenine dinucleotide disodium salt
39358 Flavin mononucleotide sodium salt
39176 Folic acid
39318 Heparin ammonium salt

Heparin lithium salt	*39405*	Maleimide
Heparin potassium salt	*39409*	2-Methyl-1,4-naphthoquinone
Heparin sodium salt	*39416*	Nicotinamide adenine dinucleotide
Histamine dihydrochloride	*39417*	Nicotinamide adenine dinucleotide phosphate disodium salt
1-Hydroxybenzotriazole	*39419*	Nicotinic acid
4-Hydroxy-3-methoxymandelic acid	*39473*	Octyl-β-D-glucopyranose
Indolyl-3-acetate	*39429*	Orotic acid
2-Keto butyric acid sodium salt	*39268*	Pectin
Lactalbumin hydrolysate	*39433*	Phenyl *iso*-cyanate
L-Lactic acid sodium salt	*39434*	N-Phenylmaleimide
Maleic acid disodium salt	*39222*	Phytol
Maleic anhydride	*39438*	Pyridoxal-5'-phosphate
	39211	Pyridoxamine dihydrochloride
	39220	Riboflavine
	39170	Sodium thioglycollate
	39441	Spermidine
	39442	Spermine
	39221	Thiaminium dichloride
	39447	Thiaminium pyrophosphoric acid
	39450	DL-α-Tocopherol
	39209	DL-α-Tocopherol acetate
	39223	Vanillic acid
	39460	Vitamin B12

Catalysts

Hydrogenation catalysts

RCH Copper catalyst VP 60/35, pellets 60 wt.% Cu/silicon dioxide, not reduced	*64152*	*RCH* Palladium catalyst, powder 5 wt.% Pd/barium sulphate
Nickel-aluminium alloy, for the production of Raney nickel Reag. Ph. Eur. I	*62936*	*RCH* Palladium catalyst, powder 5 wt.% Pd/calcium carbonate
Palladium, (Palladium black)	*62934*	*RCH* Palladium catalyst 100/6, powder 10 wt.% Pd/activated carbon
RCH Palladium catalyst, powder 10 wt.% Pd/barium sulphate	*62938*	Palladium(II) oxide hydrate, 85 wt.% Pd hydrogenation catalyst according to Adams
RCH Palladium catalyst, powder 10 wt.% Pd/calcium carbonate	*64153*	Platinum, (Platinum black)
RCH Palladium catalyst 50/6, powder 5 wt.% Pd/activated carbon	*63007*	*RCH* Platinum catalyst 100/6, powder 10 wt.% Pt/activated carbon
RCH Palladium catalyst, powder 5 wt.% Pd/aluminium oxide	*64154*	*RCH* Platinum catalyst 50/6, powder 5 wt.% Pt/activated carbon
	12505	Platinum catalyst fibre, 10 wt.% Pt/asbestos
	63009	Platinum(IV) oxide, powder, 83 wt.% Pt, hydrogenation catalyst according to Adams
	64156	Raney cobalt catalyst, ready-for-use suspension in water
	64157	Raney copper catalyst, ready-for-use suspension in water
	64155	Raney iron catalyst, ready-for-use suspension in water
	64158	Raney nickel catalyst, ready-for-use suspension in water

Phase transfer catalysts

Alkylbenzyldimethylammonium chloride solution, 50% in water PROSYNTH®	*65134*	12-Crown-4, PROSYNTH®
Benzyldimethylhexadecylammonium chloride, PROSYNTH®	*65135*	15-Crown-5, PROSYNTH®
Benzyldimethyltetradecylammonium chloride, PROSYNTH®	*64345*	18-Crown-6, PROSYNTH®
Benzyltriethylammonium chloride, PROSYNTH®	*64820*	Dibenzo-18-crown-6, PROSYNTH®
N-Benzyl-N,N,N-trimethylammonium bromide	*64002*	N,N-Dibenzyl-2-chloroethylamine hydrochloride, PROSYNTH®
Benzyltrimethylammonium chloride, PROSYNTH®	*64248*	Ethyltriphenylphosphonium bromide, PROSYNTH®
Benzyltrimethylammonium hydroxide solution, PROSYNTH® about 40% in methanol	*65015*	N-Hexadecyl-N,N,N-trimethylammonium bromide, PROSYNTH®
Benzyltrimethylammonium hydroxide solution, PROSYNTH® 40% in water	*15725*	Methyltrioctylammonium chloride, phase transfer catalyst
Chloromethyltriphenylphosphoniumchloride, PROSYNTH®	*64800*	N-Phenyl-N,N,N-trimethylammonium tribromide, PROSYNTH®
	65092	Tetrabutylammonium chloride, PROSYNTH®
	64849	Tetrabutylammonium iodide, PROSYNTH®
	02883	N-Tetradecyl-N,N,N-trimethylammonium bromide
	65169	Tetraethylammonium bromide, PROSYNTH®
	16269	Tetraethylammonium fluoride solution, 60% in water
	16268	Tetraethylammonium hydroxide solution, 40% in water
	16262	Tetraethylammonium hydroxide solution, 20% in water
	64858	Tetramethylammonium chloride, PROSYNTH®
	65101	Tetramethylammonium hydroxide solution, 25% in water PROSYNTH®
	16266	Tetraphenylphosphonium bromide
	64912	Trimethylammonium chloride, PROSYNTH®

Other catalysts

N,N-Dimethyl-p-toluidine, PROSYNTH® catalysator for peroxide-polymerisation

PERMUTIT® ion exchange

Permutit® Folin	*69023*	Permutit® ES-274
Permutit® C-65	*69024*	Permutit® ES-274-I
Permutit® C-67	*69016*	Permutit® ESB-32
Permutit® EM-13	*69025*	Permutit® EHP-274
Permutit® EM-13-I	*69021*	Permutit® ESB-274
Permutit® G	*69022*	Permutit® ESB-274-I
Permutit® ES-32	*69020*	Permutit® EHP-32
Permutit® ES-26	*69004*	Permutit® RS-40
	69005	Permutit® RS-20
	69000	Permutit® RS-120
	69001	Permutit® RS-90
	69002	Permutit® RS-90-L
	69008	Permutit® RSP-120
	69009	Permutit® RSP-100
	69010	Permutit® RSP-100-I
	69019	Permutit® SK

3. Solvents

3.1. Solvents for analysis

33209	Acetic acid, (glacial) min. 99,7% R. G., Reag. ACS, Reag. ISO, Reag Ph. Eur. I, indifference to chromic acid
33206	Acetic acid, (glacial) 96% R. G.
33214	Acetic anhydride, R. G., Reag. ACS, Reag. Ph. Eur. I
32201	Acetone, R. G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I
33005	Acetylacetone, R. G., Reag. Ph. Eur. I
32207	Amyl alcohol, (Fermentation amyl alcohol) pure, boiling range 128-132 °C, for milk testing according to Gerber
32206	Amyl alcohol, R. G., Reag. Ph. Eur. I (Fermentation amyl alcohol)
33029	Aniline, R. G., Reag. ACS, Reag. Ph. Eur. I
33031	Anisole, R. G.
32212	Benzene, R. G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I
33055	Benzyl alcohol, R. G., Reag. Ph. Eur. I
33061	Bromoform, (D^{20}_4) 2,870-2,890 for the separation of mineral compounds
33065	1-Butanol, R. G. Reag. ACS, Reag. ISO, Reag. Ph. Eur. I
33066	2-Butanol, R. G.
33064	*iso*-Butanol, R. G.
33067	*tert.*-Butanol, R. G., Reag. Ph. Eur. I
33201	*n*-Butyl acetate, R.G.
31627	Carbon disulphide, R. G., Reag. ACS, Reag. Ph. Eur. I
32235	Carbon tetrachloride, R. G., for determinations with dithizone, Reag. Ph. Eur. I
32215	Carbon tetrachloride, R. G. (max. 0,0005% S), Reag. Ph. Eur. I
32211	Chloroform, R. G., stabilized with abt. 1% ethanol, Reag. ACS, Ph. Eur. I
32286	Chloroform, R.G., for determinations with dithizone, Reag. ACS, Reag. ISO, stabilized with abt. 1% ethanol
33117	Cyclohexane, R. G.
34911	Cyclohexane, SPECTRANAL®, Reag. Ph. Eur. I
32222	Dichloromethane, R. G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I, stabilized with (26 mg/l)
32203	Diethyl ether, R. G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I, stabilized with 2,6-Di-*tert.*-butyl-4-methylphenol (5 mg/l)
30319	Diiodomethane, (D^{20}_4) 3,31—3,32 for the separation of mineral compounds
33175	Dimethyl sulphoxide, R. G., Reag. ACS
33147	1,4-Dioxan, R. G., Reag. Ph. Eur. I, stabilized with 2,6-di-*tert.*-butyl-4-methylphenol (25 mg/l)
33159	Di-*iso*-propyl ether, R. G. stabilized with 2,6-di-*tert.*-butyl-4-methyl-phenol (5 mg/l)
32221	Ethanol absolute, R. G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I
33211	Ethyl acetate, R. G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I
33003	Ethyl acetoacetate, R. G.
33068	Ethylene glycol, R. G.
33457	Ethylene glycol monomethyl ether, R. G.
33015	Formic acid, 98—100%, R. G., Reag. ACS, Reag. Ph. Eur. I
33219	Furfural, (Furfurol) R. G., Reag. Ph. Eur. I
33224	Glycerol, 86—88%, R. G., Reag Ph. Eur. I
30302	Iodoethane, for the separation mineral compounds
32213	Methanol, R. G., Reag. ACS, Reag. ISO, Reag. Ph. Eur. I
33215	Methyl acetate, R. G.
33407	Methyl ethyl ketone, R. G., Rea Ph. Eur. I
32288	*n*-Pentane, R.G.
32285	Pentanol-(1), R. G.
32248	Petroleum ether, R. G. boiling range 60—80 °C
32246	Petroleum ether, R. G. boiling range 30—50 °C
32247	Petroleum ether, R. G., Reag. Ph Eur. I (petroleum benzine) boilin range 50—70 °C
33537	Piperidine, R. G., Reag. Ph. Eur.
33538	Propanol-(1), R. G., (propyl alcohol)
33539	Propanol-(2), R. G., Reag. ACS, Reag. Ph. Eur. I (iso-propyl alcohol)
33553	Pyridine, R. G., Reag. ACS, Reag Ph. Eur. I
33704	1,1,2,2-Tetrabromoethane, D^{20} 2,96—2,97 (Muthmann's liquid) f separation of mineral mixtures
33709	Tetrahydrofuran, R. G.
33712	Tetrahydrofurfuryl alcohol R. G.
33713	1,2,3,4-Tetrahydronaphthalene, R G.
32249	Toluene, R. G. free from sulphur, Reag. ACS, Reag. ISO, Reag. Ph. Eur. I
33729	Triethanolamine, for metal titration
33817	Xylene, R. G., Reag. ACS, Reag. ISO, Reag Ph. Eur. I

3.2. Solvents dried for analysis

34950	Benzene, R. G. dried (max. 0,01% H_2O)
34948	Carbon tetrachloride, R. G. dried (max. 0,01% H_2O)
34942	Diethyl ether, R. G., Reag. ACS dried (max. 0,01% H_2O) stabilized with 2,6-di-*tert.*-butyl-4-methylphenol (5 mg/l)
34943	Dimethyl sulphoxide, R. G. dried (max. 0,01% H_2O)
34944	1,4-Dioxan, R. G. dried (max. 0,01% H_2O), stabilized with 2,6-di-*tert.*-butyl-4-methylphenol (2,5 mg/l)
34949	Ethyl acetate, R. G. dried (max. 0,01% H_2O)
34940	Methanol, R. G., Reag. Ph. Eur. I dried (max. 0,01% H_2O)
34945	Pyridine, R. G. dried (max. 0,01% H_2O), Reag. Ph. Eur. I
34946	Tetrahydrofuran, R. G. dried 1(max. 0,01% H_2O)
34941	Xylene, R. G. dried (max. 0,01% H_2O)

3.3. Solvents for extraction analysis

33160	1,2-Dichlorobenzene, for extraction analysis
33261	Heptanone-(2), for extraction analysis
33463	Methyl *iso*-butyl ketone, for extraction analysis, Reag. ACS, Reag. Ph. Eur. I
33766	Tributyl phosphate, for extraction analysis
33761	Trioctylphosphine oxide, for extraction analysis

3.4. PESTANAL® solvents for residue analysis

34480	Acetone
34481	Acetonitrile
34482	Benzene
34487	Chloroform
34488	Dichloromethane
34483	Diethyl ether
34495	Diethyl ether
34489	N,N-Dimethylformamide
34490	Ethyl acetate
34484	*n*-Hexane
34485	Methanol
34491	Petroleum ether
34486	Propanol-(2)
34492	Propylene carbonate
34493	Tetrahydrofuran
34494	Toluene

CHROMASOLV® solvents for chromatography

Acetone		
Acetonitrile	*34868*	Diethyl ether
Benzene	*34869*	Dimethyl sulphoxide
Butanol-(1)	*34857*	1,4-Dioxan
Carbon tetrachloride	*34852*	Ethanol absolute
Chloroform	*34870*	Ethanol absolute
Cyclohexane	*34858*	Ethyl acetate
Dichloromethane	*34859*	Hexane
	34860	Methanol
	34861	Methyl ethyl ketone
	34862	*iso*-Octane
	34871	Propanol-(1)
	34863	Propanol-(2)
	34865	Tetrahydrofuran
	34866	Toluene

SPECTRANAL® solvents for UV-spectroscopy

Acetone		
Acetonitrile	*34915*	Dimethyl sulphoxide
Benzene	*34903*	N,N-Dimethylformamide
Butanol-(1)	*34916*	1,4-Dioxan
Carbon tetrachloride	*34923*	Ethanol absolute
Chloroform	*34935*	Ethanol absolute
Cyclohexane	*34922*	Ethanol *96 Vol. %*
1,2-Dichloroethane	*34934*	Ethanol *96 Vol. %*
Dichloromethane	*34917*	Ethyl acetate
Diethyl ether	*34913*	*n*-Hexane
	34906	Methanol
	34918	*iso*-Octane
	34920	Paraffin
	34930	*n*-Pentane
	34904	Propanol-(2)
	34909	Pyridine
	34927	Tetrachloroethylene
	34928	Tetrahydrofuran
	34929	Toluene
	34932	1,1,2-Trichlorotrifluoroethane

Deuterated solvents

Acetic acid-d_1, deuteration degree not less than 99 atom % D	*09083*	Dimethyl sulphoxide-d_6, deuteration degree not less than 99,8 atom %D
Acetic acid-d_4, deuteration degree not less than 99 atom % D	*09082*	Dimethyl sulphoxide-d_6, deuteration degree not less than 99,95 atom %D
Acetic anhydride-d_6, deuteration degree not less than 98 atom % D	*09046*	N,N-Dimethylformamide-d_7, deuteration degree not less than 99 atom % D
Acetone-d_6, deuteration degree not less than 99,5 atom % D	*09049*	1,4-Dioxan-d_8, deuteration degree not less than 99 atom % D
Acetone-d_6, deuteration degree not less than 99,8 atom %D	*09020*	Ethanol-d_1, absolute deuteration degree not less than 99 atom % D
Acetonitrile-d_3, deuteration degree not less than 99 atom % D	*09001*	Ethanol-d_6, (95 % in D_2O) deuteration degree not less than 99 atom % D
Acetonitrile-d_3, deuteration degree not less than 99,8 atom %D	*09032*	Ethylene glycol-d_4, deuteration degree not less than 99 atom % D
Ammonia solution-d_3, (20 % in D_2O) deuteration degree not less than 99 atom % D	*09033*	Ethylene glycol-d_6, deuteration degree not less than 99 atom % D
Benzene-d_6, deuteration degree not less than 99,5 atom % D	*09052*	Formaldehyde-d_2 solution, (20 % in D_2O) deuteration degree not less than 99 atom % D
Benzene-d_6, deuteration degree not less than 99,8 atom %D	*09053*	Hexafluoro-2-propanol-d_2, deuteration degree not less than 98 atom % D
Bromobenzene-d_5, deuteration degree not less than 99 atom % D	*09054*	Hexamethylphosphoric triamide-d_{18}, deuteration degree not less than 98 atom % D
Bromoform-d, deuteration degree not less than 99,5 atom % D	*09015*	Hydrochloric acid-d, (20 % in D_2O) deuteration degree not less than 99,5 atom % D
Chloroform-d, deuteration degree not less than 99,5 atom % D	*09002*	Methanol-d_4, deuteration degree not less than 99 atom % D
Chloroform-d, deuteration degree not less than 99,8 atom %D	*09057*	Methanol-d_3, deuteration degree not less than 99 atom % D
Chloroform-d, deuteration degree not less than 99,95 atom %D	*09004*	Methanol-d_1, deuteration degree not less than 99,5 atom % D
Cyclohexane-d_{12}, deuteration degree not less than 99 atom % D	*09081*	Methanol-d_4, deuteration degree not less than 99,5 atom %D
Deuterium oxide, (heavy water) deuteration degree not less than 99,7 atom % D	*09080*	Methanol-d_4, deuteration degree not less than 99,8 atom %D
Diethyl ether-d_{10}, deuteration degree not less than 99 atom % D	*09059*	Methyl bromide-d_3, deuteration degree not less than 99 atom % D
Dimethyl sulphate-d_6, deuteration degree not less than 99 atom % D	*09023*	Methyl iodide-d_3, deuteration degree not less than 99 atom % D
Dimethyl sulphoxide-d_6, deuteration degree not less than 99,5 atom % D	*09060*	Methylcyclohexane-d_{14}, deuteration degree not less than 99 atom % D
	09061	Naphthalene-d_8, deuteration degree not less than 99 atom % D
	09072	Nitric acid-d, (50 % in D_2O) deuteration degree not less than 99 atom % D
	09077	Nitrobenzene-d_5, deuteration degree not less than 99 atom % D
	09064	Nitromethane-d_3, deuteration degree not less than 99 atom % D
	09070	Propanol-(2)-d_8, deuteration degree not less than 99 atom % D
	09071	Pyridine-d_5, deuteration degree not less than 99 atom % D
	09079	Pyridine-d_5, deuteration degree not less than 99,5 atom %D
	09078	Pyridine-d_5, deuteration degree not less than 99,8 atom %D
	09029	Sodium hydroxide-d solution, (30 % in D_2O) deuteration degree not less than 99,5 atom % D
	09022	Sulphuric acid-d_2, deuteration degree not less than 99 atom % D
	09073	1,1,2,2-Tetrachloroethane-d_2, deuteration degree not less than 99 atom % D
	09074	Tetramethylurea-d_{12}, deuteration degree not less than 99 atom % D
	09075	Toluene-d_8, deuteration degree not less than 99 atom % D
	09024	Trifluoroacetic acid-d, deuteration degree not less than 99 atom % D
	09076	2,2,2-Trifluoroethanol-d_3, deuteration degree not less than 99 atom % D

3.8. Solvents for scintillation

56010	Dimethyl sulphoxide	*56055*	Pseudocumene	*56027*	Toluene
56011	1,4-Dioxan	*56045*	Tissue solubilizer	*56031*	Xylene
56017	Methanol				

3.9. PURANAL® solvents

17866	Acetic acid *99—100 %*	*17947*	Ethyl acetate	*17818*	Nitric acid *min. 65 %*
17834	Acetic acid *96 %*	*17936*	Ethylene glycol monomethyl ether	*17830*	Perchloric acid *70 %*
17825	Acetone	*17959*	*n*-Hexane	*17861*	*ortho*-Phosphoric acid *min. 85*
17814	Ammonia solution *min. 25 % NH3*	*17823*	Hydrochloric acid *min. 37 %*	*17829*	Propanol-(2)
17943	*n*-Butyl acetate	*17863*	Hydrochloric acid *min. 32 %*	*17831*	Sulphuric acid *95—97 %*
17852	Carbon tetrachloride	*17870*	Hydrofluoric acid *70 %*	*17941*	Tetrachloroethylene
17846	Chloroform	*17912*	Hydrofluoric acid *50 %*	*17864*	Toluene
17847	Cyclohexane	*17868*	Hydrofluoric acid *48 %*	*17949*	1,1,1-Trichloroethane
17953	Dichloromethane	*17867*	Hydrofluoric acid *40 %*	*17940*	Trichloroethylene
17833	Ethanol absolute	*17824*	Methanol	*17865*	Xylene

3.10. MOS PURANAL® solvents

17926	Acetic acid *99—100 %, particle class 0*	*17928*	Hydrofluoric acid *50 %, particle class 0—2*	*17935*	Sulphuric acid *95—97 % partic class 1*
17921	Acetone *particle class*	*17932*	Hydrochloric acid *min. 37 %, particle class 1*	*17942*	Tetrachloroethylene *particle class 0*
17922	Ammonia solution *min. 25 % NH_3 particle class 0*	*17929*	Methanol *particle class 0*	*17933*	Trichloroethylene *particle class 0*
17927	*n*-Butyl acetate *particle class 0*	*17920*	Nitric acid *about 70 % particle class 0*	*17934*	Xylene *particle class 0*
17925	Dichloromethane *particle class 0*	*17930*	Propanol-(2) *particle class 0*		
17944	Ethanol absolute *particle class 0*				

3.11. PROSYNTH® solvents for synthesis

27221	Acetic acid *99—100 %*	*62381*	Cycloheptanone	*15447*	Dimethyl sulphate
27279	Acetic acid *99—100 %*	*15329*	Cyclohexane	*60153*	Dimethyl sulphoxide
27222	Acetic acid *99—100 %*	*24217*	Cyclohexanol	*60145*	N,N-Dimethylacetamide
27225	Acetic acid *min. 99,5 %*	*24218*	Cyclohexanone	*62539*	2,4-Dimethylpentanone-(3)
27264	Acetic acid *90 %*	*24219*	Decalin	*60307*	Dimethylsulphone
27218	Acetic acid *80 %*	*62441*	Di-*iso*-amyl ether	*24225*	1,4-Dioxan
27209	Acetic anhydride	*62446*	Dibenzyl ether	*24224*	1,4-Dioxan
24201	Acetone	*60126*	1,2-Dibromoethane	*24241*	Di-*iso*-propyl ether
60004	Acetonitrile	*02813*	1,2-Dibromoethane	*62581*	Dipropylene glycol
60007	Acetyl chloride	*62457*	Dibromomethane	*24103*	Ethanol absolute
60006	Acetylacetone	*24222*	Di-*n*-butyl ether	*24106*	Ethanol *96 Vol %*
27231	*iso*-Amyl acetate	*65152*	1,2-Dichlorobenzene	*27227*	Ethyl acetate
27230	*iso*-Amyl acetate	*60134*	1,3-Dichlorobenzene	*60045*	Ethyl benzoate
60038	Amyl alcohol	*15428*	1,2-Dichloroethane	*60023*	Ethyl formate
24120	Amyl alcohol	*15429*	*trans*-1,2-Dichloroethylene	*62040*	Ethylbenzene
24515	Benzene	*24233*	Dichloromethane	*60402*	Ethylene carbonate
24519	Benzene	*60135*	Dichloromethane	*24204*	Ethylene glycol
60049	Benzonitrile	*60119*	Diethyl carbonate	*24215*	Ethylene glycol monobutyl ether
24122	Benzyl alcohol	*24005*	Diethyl ether *(max. 0,2 % H_2O)*	*24206*	Ethylene glycol monoethyl ether
60068	Bromobenzene	*24004*	Diethyl ether	*24234*	Ethylene glycol monomethyl eth
02807	Bromoform	*62431*	Diethyl ketone	*60380*	2-Ethylhexanol
24124	Butanol-(1)	*64466*	N,N-Diethylacetamide	*60019*	N-Ethylpiperidine
24126	Butanol-(2)	*60120*	Diethylene glycol	*62052*	2-Ethylpiperidine
24125	*iso*-Butanol	*62425*	Diethylene glycol diethyl ether	*62608*	Formamide
24127	*tert.*-Butanol	*62426*	Diethylene glycol dimethyl ether	*27001*	Formic acid *98—100 %*
60165	*n*-Butyl acetate	*62428*	Diethylene glycol monobutyl ether	*27002*	Formic acid *about 85 %*
27235	*n*-Butyl acetate	*62427*	Diethylene glycol monoethyl ether	*62615*	Furfuryl alcohol
13807	Carbon disulphide	*62429*	Diethylene glycol monomethyl ether	*15677*	*n*-Heptane
24248	Carbon tetrachloride	*62430*	N,N-Diethylformamide	*15674*	Heptane
24247	Carbon tetrachloride	*60143*	Diiodomethane	*60179*	Hexamethylphosphoric triamide
24216	Chloroform	*60306*	1,2-Dimethoxyethane	*15667*	Hexane
62371	Cumene	*62527*	Dimethyl carbonate	*15671*	*n*-Hexane
62379	Cycloheptane			*60198*	Iodomethane
62380	Cycloheptanol			*03810*	Iodomethane

Isoquinoline
Mesitylene
Methanol
Methanol
Methyl acetate
Methyl benzoate
Methyl ethyl ketone
Methyl formate
2-Methyl-2-butanol
3-Methylbutanol-(1)
Methyl *iso*-butyl ketone
Methylcyclohexane
N-Methylformamide
2-Methylpentane
3-Methylsulpholane
Nitrobenzene
Nitroethane
Nitromethane
2-Nitropropane
Nonane
Octane
iso-Octane
Octane *(from petroleum)*
Paraffin *viscid*
Pentachloroethane
n-Pentane
iso-Pentane

16504 Pentane *mixture of isomers*
16534 *n*-Pentane *95%*
60244 Pentanol-(2)
60243 Pentanol-(1)
24545 Petroleum ether *boiling range up to about 40° C*
24549 Petroleum ether *boiling range 30—50° C*
24553 Petroleum ether *boiling range 60—70° C*
24557 Petroleum ether *boiling range 50—70° C*
24538 Petroleum ether *boiling range 65—95° C*
24533 Petroleum ether *boiling range about 90—100° C*
24541 Petroleum ether *boiling range 40—60° C*
24587 Petroleum ether *boiling range about 40—60° C*
60259 2-Picoline
62995 3-Picoline
62996 4-Picoline
60260 Piperidine
60451 1,3-Propanediol
16033 1,2-Propanediol
24135 Propanol-(1)
24137 Propanol-(2)
60264 Propylene carbonate

15339 Pseudocumene
16037 Pyridine
16038 Pyridine
63045 Pyrrolidine
63046 Pyrrolidone-(2)
60089 Quinoline
16209 1,1,2,2-Tetrachloroethane
16211 Tetrachloroethylene
63754 Tetraethylene glycol dimethyl ether
16212 Tetrahydrofuran
24250 1,2,3,4-Tetrahydronaphthalene
63079 Tetrahydropyran
63082 N,N,N',N'-Tetramethylethylenediamine
16218 Thiophene
24529 Toluene *(thiophene max. 0,001%)*
24526 Toluene
60490 1,2,3-Trichlorobenzene
24254 Trichloroethylene
63113 Triethylene glycol
63114 Triethylene glycol dimethyl ether
63142 Trimethyl phosphate
16449 o-Xylene
16453 m-Xylene
16469 p-Xylene
16446 Xylene

4. Chromatography

4.1. Thin-layer chromatography (TLC)

4.1.1. Adsorbents for TLC

31170	Aluminium oxide D *neutral*	*33821*	Cellulose powder DF natural	*31690*	Silica gel D
31184	Aluminium oxide D *acid*	*33820*	Cellulose powder DF natural	*31691*	Silica gel DF
31166	Aluminium oxide D *basic*	*33838*	Cellulose powder DAC 20	*31693*	Silica gel DG
31167	Aluminium oxide DF *basic*	*33839*	Cellulose powder DAC 40	*31694*	Silica gel DGF
31168	Aluminium oxide DG *neutral*	*33840*	Cellulose DEAE	*31689*	Kieselguhr DG
31169	Aluminium oxide DGF *neutral*	*33841*	Cellulose ECTEOLA	*33590*	Polyamide 6 D
33836	Cellulose D	*31827*	Florisil®	*33591*	Polyamide 6 DF
33837	Cellulose powder D				

4.1.2. Ready-for-use Adsorbent layers

4.1.2.1. TLC - Aluminium sheets

37349	TLC-Sheets ALF 10 × 20 cm Aluminium oxide	*37347*	TLC-Sheets CEF 10 × 20 cm Cellulose	*37341*	TLC-Micro-Sheets SIF 5 × 10 cm Silica gel
37364	TLC-Sheets ALF 20 × 20 cm Aluminium oxide	*37362*	TLC-Sheets CEF 20 × 20 cm Cellulose	*37345*	TLC-Sheets SIF 10 × 20 cm Silica gel
37348	TLC-Sheets CE 10 × 20 cm Cellulose	*37346*	TLC-Sheets SI 10 × 20 cm Silica gel	*37360*	TLC-Sheets SIF 20 × 20 cm Silica gel
37363	TLC-Sheets CE 20 × 20 cm Cellulose	*37361*	TLC-Sheets SI 20 × 20 cm Silica gel		

4.1.2.2. TLC - glass plates

37604	TLC-Plates, pre-coated AL 20 × 20 cm Aluminium oxide	*37603*	TLC-Plates, pre-coated CEF 20 × 20 cm Cellulose	*37613*	TLC-Plates, pre-coated SIF 10 × 20 cm Silica gel
37605	TLC-Plates, pre-coated ALF 20 × 20 cm Aluminium oxide	*37614*	TLC-Plates, pre-coated SI 10 × 20 cm Silica gel	*37601*	TLC-Plates, pre-coated SIF 20 × 20 cm Silica gel
37602	TLC-Plates, pre-coated CE 20 × 20 cm Cellulose	*37600*	TLC-Plates, pre-coated SI 20 × 20 cm Silica gel		

4.1.3. Auxiliaries for TLC

32748	Bromocresol green	*31502*	Fluorescence indicator blue 366 nm	*31482*	Phosphomolybdic acid
33169	4-Dimethylaminobenzaldehyde	*31503*	Fluorescence indicator mixed green/blue 254/366 nm	*32636*	Rhodamine B
37359	TLC-Dye-stuff mixture	*33462*	Ninhydrin	*37392*	Vessel (glass) "Riedel"
37355	TLC-Fixative			*37391*	Micro-Vessel (glass) "Riedel"
31501	Fluorescence indicator green 254 nm				

4.2. Column chromatography

4.2.1. Adsorbents for column chromatography

31165	Aluminium oxide S *acid active*	*31182*	Aluminium oxide S *neutral, super active*	*33831*	Cellulose powder S
31183	Aluminium oxide S *acid, super active*	*31104*	Aluminium oxide S *standardised*	*31825*	Florisil® *0,075—0,150 mm*
31163	Aluminium oxide S *basic active*	*33832*	Cellulose powder SAC 20	*31826*	Florisil® *0,150—0,250 mm*
31181	Aluminium oxide S *basic, super active*	*33833*	Cellulose powder SAC 40	*33612*	Polyamide 6 S
31164	Aluminium oxide S *neutral active*	*33830*	Cellulose powder S natural	*31607*	Silica gel S *0,032—0,063 mm*
31174	Aluminium oxide S *neutral active standardised*	*33834*	Cellulose DEAE	*31608*	Silica gel S *0,063—0,1 mm*
		33835	Cellulose ECTEOLA	*31612*	Silica gel S *0,063—0,2 mm*
				31643	Silica gel S *0,2—0,5 mm*

4.2.2. Solvents for column chromatrography see 3.5.

4.3. High-Pressure Liquid Chromatography (HPLC)

4.3.1. Adsorbents for HPLC

39800	Aluminium oxide HPLC	*39838*	Nucleosil® 100	*39841*	Nucleosil®
39812	Cation exchanger HPLC	*39842*	Nucleosil®	*39821*	Polyamide 6 HPLC
39809	Cation exchanger HPLC	*39840*	Nucleosil®	*39827*	Polyamide 6 HPLC
39810	Cation exchanger HPLC	*39839*	Nucleosil® 100	*39834*	Silica gel 60 HPLC
39811	Cation exchanger HPLC	*39843*	Nucleosil®	*39830*	Silica gel 60 HPLC

Silica gel 60 HPLC
Silica gel 60 HPLC
Silica gel 60 HPLC
Silica gel 60 HPLC
Silica gel 60 HPLC
Silica gel 60 HPLC
Silica gel 60 HPLC

39829 Silica gel 60 HPLC
39803 Silica gel 60 HPLC
39833 Silica gel 60 HPLC
39837 Silica gel 60 HPLC
39804 Silica gel 60 HPLC
39805 Silica gel 60 HPLC

39807 Silica gel 60 HPLC
39826 Vydac® – 501 PP HPLC
39823 Vydac® – 201 RP HPLC
39822 Vydac® – 101 SI HPLC
39825 Vydac® – 401 SA HPLC
39824 Vydac® – 301 SB HPLC

HPLC column unit

HPLC-column unit, complete according to K. W. Stahl
HPLC-glass column, empty, 15 cm, for steel jacket
HPLC-glass column, empty, 30 cm, for steel jacket
Kit of capillary connecting tubes and T connection 1/16'', for steel jacket of HPLC-glass column
Kit of gaskets, for steel jacket of HPLC-glass column
HPLC-glass column length 15 cm pre-packed with silica gel 60, 0,010 mm (10 µm)
HPLC-glass column length 30 cm pre-packed with silica gel 60, 0,010 mm (10 µm)

39940 HPLC-glass column length 15 cm pre-packed with silica gel 60 C8-reverse phase, 0,010 mm (10 µm)
39939 HPLC-glass column length 30 cm pre-packed with silica gel 60 C8-reverse phase, 0,010 mm (10 µm)
39942 HPLC-glass column length 15 cm pre-packed with silica gel 60 C18-reverse phase, 0,010 mm (10 µm)
39941 HPLC-glass column length 30 cm pre-packed with silica gel 60 C18-reverse phase, 0,010 mm (10 µm)
39944 HPLC-glass column length 15 cm pre-packed with silica gel 60 CN, 0,010 mm (10 µm)

39943 HPLC-glass column length 30 cm pre-packed with silica gel 60 CN, 0,010 mm (10 µm)
39948 HPLC-glass column length 15 cm pre-packed with silica gel 60 NH_2, 0,010 mm (10 µm)
39947 HPLC-glass column length 30 cm pre-packed with silica gel 60 NH_2, 0,010 mm (10 µm)
39946 HPLC-glass column length 15 cm pre-packed with silica gel 60 NO_2, 0,010 mm (10 µm)
39945 HPLC-glass column length 30 cm pre-packed with silica gel 60 NO_2, 0,010 mm (10 µm)
39961 Steel jacket for HPLC-glass column length 15 cm
39960 Steel jacket for HPLC-glass column length 30 cm

CHROMASOLV® solvents see 3.5.

Gas-chromatography (GC)

Supports for GC

Carbopak C *0,150—0,180 mm*
Carbopak C *0,180—0,250 mm*
Chromosorb® G NAW *0,180—0,250 mm*
Chromosorb® G AW *0,150—0,180 mm*
Chromosorb® G AW *0,180—0,250 mm*
Chromosorb® G AW-DMCS *0,150—0,180 mm*
Chromosorb® G AW-DMCS *0,180—0,250 mm*
Chromosorb® G HP AW-DMCS *0,150—0,180 mm*
Chromosorb® P NAW *0,150—0,180 mm*

39507 Chromosorb® P NAW *0,180—0,250 mm*
39508 Chromosorb® P AW *0,150—0,180 mm*
39509 Chromosorb® P AW *0,180—0,250 mm*
39510 Chromosorb® P AW-DMCS *0,150—0,180 mm*
39511 Chromosorb® P AW-DMCS *0,180—0,250 mm*
39512 Chromosorb® W NAW *0,180—0,250 mm*
39513 Chromosorb® W AW *0,150—0,180 mm*

39514 Chromosorb® W AW *0,180—0,250 mm*
39515 Chromosorb® W AW-DMCS *0,150—0,180 mm*
39516 Chromosorb® W AW-DMCS *0,180—0,250 mm*
39517 Chromosorb® W HP AW-DMCS *0,125—0,150 mm*
39518 Chromosorb® T *0,250—0,420 mm*
39519 Chromosorb® T *0,250—0,600 mm*
39552 Gas-Chrom® Q *0,125—0,150 mm*
39551 Gas-Chrom® Q *0,150—0,180 mm*
39550 Gas-Chrom® Q *0,180—0,250 mm*

Separating liquid for GC

Alkaterge T
Amine 220
Apiezon® grease L
Apiezon® grease M
Bentone® 34
Bis-(2-cyanoethyl)ether
Bis(-2-ethoxyethyl) adipate
Bis-(2-ethylhexyl)sebacate
1,4-Butanediol adipate
1,4-Butanediol succinate
Carbowax 400
Carbowax 1000
Carbowax 1500
Carbowax 4000
Carbowax 20000
Celanese ester No. 9
Citroflex A 4
Cyanoethyl sucrose

39673 Di-*n*-butyl tetrachlorophthalate
39604 Diethylene glycol adipate
39603 Diethylene glycol adipate
39614 Diethylene glycol succinate
39642 Dinonyl phthalate
39682 Edenol 1800
39626 Ethofat 60/25
39600 Ethylene glycol adipate
39634 Ethylene glycol isophthalate
39649 Ethylene glycol sebacate
39612 Ethylene glycol succinate
39606 Ethylene glycol-bis-(2-cyanoethyl ether)
39627 FFAP
39628 Flexol 8 N 8
39630 Hallcomid M 18
39685 Hexaethylene glycol dimethyl ether

39631 1,2,3,4,5,6-Hexakis-(2-cyanoethoxy)-hexane
39632 Hyprose SP 80
39633 Igepal CO 990
39635 Kel F-grease No. 10
39636 Lutensol® AP 20
39638 Marlophen® 87
39605 1,5-Pentanediol adipate
39615 1,5-Pentanediol succinate
39644 Polypropylene glycol 425
39645 Polypropylene glycol 1025
39646 Polypropylene glycol 2025
39637 1,3-Propanediol maleinate
39647 Reoplex® 400
39650 Silicone DC 200
39651 Silicone DC 550
39653 Silicone DC high vacuum grease
39654 Silicone GE SE-30

39655	Silicone GE SE-52
39656	Silicone GE SE-54
39657	Silicone GE XE-60
39658	Silicone OV-1
39659	Silicone OV-3
39660	Silicone OV-7
39661	Silicone OV-11
39662	Silicone OV-17
39663	Silicone OV-22
39664	Silicone OV-25
39665	Silicone OV-61
39666	Silicone OV-101
39667	Silicone OV-210
39668	Silicone OV-225
39652	Silicone DC FS 1265
39639	Sodium caproate
39669	Sorbitol
39683	SP 1000
39670	Span 80
39671	Squalane
39672	Tetraethylene glycol dimethyl ether
39640	Tri-*p*-cresyl phosphate
39674	1,2,3-Tris-(2-cyanoethoxy)-propane
39675	Triton® X-305
39641	Trixylenyl-(2,4)-phosphate
39676	Ucone 50 HB-280-X
39677	Ucone 50 HB-2000
39678	Ucone 50 HB-5100
39679	Ucone LB-550-X
39680	Ucone LB-1715
39681	Versamide 900
39684	Zinc stearate

4.4.3. Adsorbents for CG

39520	Chromosorb® 101 *0,150—0,180 mm*
39521	Chromosorb® 101 *0,180—0,250 mm*
39522	Chromosorb® 102 *0,150—0,180 mm*
39523	Chromosorb® 102 *0,180—0,250 mm*
39524	Chromosorb® 103 *0,150—0,180 mm*
39525	Chromosorb® 103 *0,180—0,250 mm*
39526	Chromosorb® 104 *0,150—0,180 mm*
39527	Chromosorb® 104 *0,180—0,250 mm*
39528	Chromosorb® 105 *0,150—0,180 mm*
39529	Chromosorb® 105 *0,180—0,250 mm*
39530	Chromosorb® 106 *0,150—0,180 mm*
39531	Chromosorb® 106 *0,180—0,250 mm*
39532	Chromosorb® 107 *0,150—0,180 mm*
39533	Chromosorb® 107 *0,180—0,250 mm*
31814	Molecular sieve
39542	Porapak® N *0,125—0,150 mm*
39534	Porapak® N *0,150—0,180 mm*
39543	Porapak® P *0,125—0,150 mm*
39535	Porapak® P *0,150—0,180 mm*
39544	Porapak® P-S *0,125—0,150 mm*
39536	Porapak® P-S *0,150—0,180 mm*
39545	Porapak® Q *0,125—0,150 mm*
39537	Porapak® Q *0,150—0,180 mm*
39546	Porapak® Q-S *0,125—0,150 mm*
39538	Porapak® Q-S *0,150—0,180 mm*
39547	Porapak® R *0,125—0,150 mm*
39539	Porapak® R *0,150—0,180 mm*
39548	Porapak® S *0,125—0,150 mm*
39540	Porapak® S *0,150—0,180 mm*
39549	Porapak® T *0,125—0,150 mm*
39541	Porapak® T *0,150—0,180 mm*

4.4.4. Standard substances for GC with min. 99,9% purity

30833	Benzene
30843	Butanol-(1)
30865	Carbon tetrachloride
30853	Chloroform
30854	1-Chloropropane
30855	2-Chloropropane
30838	Cyclohexane
30839	Cyclohexanone
30840	Cyclopentane
32255	*n*-Decane
30827	Decanone-(2)
30828	Decanone-(3)
30856	1,2-Dichloroethane
30857	1,1-Dichloroethylene
30858	*trans*-1,2-Dichloroethylene
30859	Dichloromethane
30860	1,2-Dichloropropane
30815	Diethyl ketone
32257	*n*-Dodecane
30830	2-Dodecanone
30831	3-Dodecanone
30861	Epichlorhydrin
30844	Ethanol
30832	Ethylbenzene
32262	*n*-Heptadecane
32252	*n*-Heptane
30820	Heptanone-(2)
30821	Heptanone-(3)
30822	Heptanone-(4)
32261	*n*-Hexadecane
32251	*n*-Hexane
30817	Hexanone-(2)
30819	Hexanone-(3)
30802	Methyl butyrate
30807	Methyl caprate
30805	Methyl caprylate
30804	Methyl enanthate
30813	Methyl ethyl ketone
30803	Methyl hexanoate
30809	Methyl laurate
30812	Methyl linoleate
30811	Methyl myristate
30850	Methyl palmitate
30806	Methyl pelargonate
30800	Methyl propionate
30851	Methyl stearate
30810	Methyl tridecanoate
30808	Methyl undecanoate
30801	Methyl valerate
30818	Methyl *iso*-butyl ketone
30841	Methylcyclohexane
30842	Methylcyclopentane
30845	2-Methylpentanol-(2)
30816	Methyl *iso*-propyl ketone
30814	Methyl *n*-propyl ketone
30846	Nitromethane
30847	2-Nitropropane
32254	*n*-Nonane
30825	Nonanone-(3)
30826	Nonanone-(5)
32263	*n*-Octadecane
32253	*n*-Octane
30823	Octanone-(2)
30824	Octanone-(3)
30862	Pentachloroethane
32260	*n*-Pentadecane
32250	*n*-Pentane
30848	Pyridine
30863	1,1,2,2-Tetrachloroethane
30864	Tetrachloroethylene
32259	*n*-Tetradecane
30834	Toluene
30867	1,1,2-Trichloroethane
30866	1,1,1-Trichloroethane
30868	Trichloroethylene
30869	1,2,3-Trichloropropane
32258	*n*-Tridecane
32256	*n*-Undecane
30829	2-Undecanone
30835	o-Xylene
30836	m-Xylene
30837	p-Xylene

4.4.5. Derivatisation reagents for GC

64315	Boron trifluoride methyl ether-complex
61467	Boron trifluoride-diethyl ether-complex
62358	Chlorotrimethylsilane
33100	Dimethylthiophosphine acid chloride
62638	Hexamethyldisilazane
61031	Trifluoroacetic anhydride
63144	N-(Trimethylsilyl)diethylamine

Industrial chemicals

Chemicals of exceptional purity for special industrial applications

PURANAL® chemicals for the semiconductor industry

Acetic acid *99—100 %*	*17936*	Ethylene glycol monomethyl ether	*17955*	Nitric acid/hydrofluoric acid-etching mixture
Acetic acid *96 %*	*17959*	*n*-Hexane	*17952*	Nitric acid *about 70 %*
Acetone	*17823*	Hydrochloric acid *min. 37 %*	*17818*	Nitric acid *min. 65 %*
Ammonia solution *min. 25 % NH_3*	*17863*	Hydrochloric acid *min. 32 %*	*17830*	Perchloric acid *70 %*
Ammonium fluoride/hydrofluoric acid-etching mixture	*17870*	Hydrofluoric acid *70 %*	*17861*	*ortho*-Phosphoric acid *min. 85 %*
Ammonium fluoride solution *40 %*	*17912*	Hydrofluoric acid *50 %*	*17829*	Propanol-(2)
n-Butyl acetate	*17868*	Hydrofluoric acid *48 %*	*17831*	Sulphuric acid *95—97 %*
Carbon tetrachloride	*17867*	Hydrofluoric acid *40 %*	*17941*	Tetrachloroethylene
Chloroform	*17956*	Hydrofluoric acid/nitric acid/phosphoric acid-etching mixture	*17864*	Toluene
Cyclohexane			*17949*	1,1,1-Trichloroethane
Dichloromethane	*17948*	Hydrogen peroxide *30 % by weight H_2O_2*	*17940*	Trichloroethylene
Ethanol absolute			*17865*	Xylene
Ethyl acetate	*17824*	Methanol		

MOS PURANAL® chemicals for MOS productions

Acetic acid *99—100 %, particle class 0*	*17925*	Dichloromethane *particle class 0*	*17938*	*ortho*-Phosphoric acid *min. 85 %, particle class 1*
Acetone *particle class*	*17944*	Ethanol absolute *particle class 0*	*17930*	Propanol-(2) *particle class 0*
Ammonia solution *min. 25 % NH_3*	*17932*	Hydrochloric acid *min. 37 %, particle class 1*	*17935*	Sulphuric acid *95—97 % particle class 1*
Ammonium fluoride / hydrofluoric acid-etching mixture *particle class 0—2*	*17928*	Hydrofluoric acid *50 %, particle class 0—2*	*17942*	Tetrachloroethylene *particle class 0*
Ammonium fluoride solution *40 %, particle class 0—2*	*17937*	Hydrogen peroxide	*17933*	Trichloroethylene *particle class 0*
n-Butyl acetate *particle class 0*	*17929*	Methanol *particle class 0*	*17934*	Xylene *particle class 0*
	17920	Nitric acid *about 70 %, particle class 0*		

PURANAL® chemicals for special purposes

Aluminium etching solution	*17853*	Copper(II) sulphate-5-hydrate	*17806*	Potassium sodium tartrate tetrahydrate
Ammonium fluoride	*17887*	Hydrofluoric acid	*17859*	Sodium hydroxide
Ammonium hydrogen fluoride	*17910*	Magnesium sulphate-7-hydrate	*17816*	Sodium hypophosphite-1-hydrate
Ammonium *meta*-vanadate	*17854*	Manganese(II) acetate tetrahydrate	*17903*	Strontium acetate
Barium acetate	*17856*	Manganese(II) nitrate-4-hydrate	*17906*	Strontium chloride-6-hydrate
Barium acetate anhydride	*17918*	Manganese(II) nitrate-6-hydrate	*17813*	Strontium nitrate
Barium carbonate	*17860*	Nickel chloride-6-hydrate	*17809*	Thallium(I) bromide
Barium nitrate	*17917*	Potassium dihydrogen phosphate	*17810*	Thallium(I) chloride
Boric acid	*17851*	Potassium hydroxide *pellets*	*17811*	Thallium(I) iodide
Cadmium hydrogen phosphate-4-hydrate	*17888*	Potassium iodide	*17919*	Vanadium(V) oxide
Calcium fluoride				

Nematic liquid crystals

EBBA	*36320*	MBBA	*36336*	PEBAB

UV-Absorbers for technical purposes and cosmetics

UV Absorber DHB "Riedel"	*15659*	UV Absorber HMB "Riedel"	*15936*	UV Absorber HMBS "Riedel"

Chemicals for eletroplating

Cadmium fluoroborate solution *50 %*	*12896*	Copper(II) sulphate solution *13 %*	*13653*	Nickel sulphamate-4-hydrate
Cadmium fluoroborate solution *50 %, special*	*01525*	Fluoroboric acid *32 %, special*	*13652*	Nickel sulphamate solution *11 % Ni*
Cobalt(II) sulphamate solution	*01544*	Fluoroboric acid *50 %*	*01551*	Tin(II) fluoroborate solution *50 %*
Copper diphosphate	*01545*	Fluoroboric acid *50 %, special*	*01543*	Tin(II) fluoroborate solution *50 %, special*
Copper(II) fluoroborate solution *50 %*	*01719*	Iron(II) fluoroborate solution *42 %*	*01550*	Zinc fluoroborate solution *50 %*
Copper(II) fluoroborate solution *50 %, special*	*01502*	Lead fluoroborate solution *50 %*	*22023*	8-Hydroxyquinoline sulphate-potassium sulphate
Copper(II) sulphate-5-hydrate	*01406*	Lead(II) fluorosilicate solution *55 %, technical*	*22024*	8-Hydroxyquinoline-5-sulphonic acid
	11581	Lead(II) sulphamate solution *50 %*		
	01539	Nickel fluoroborate solution *31 %*		

5.3. Chemicals for the pharmaceutical industry

5.3.1. Pharmaceutical chemicals and intermediates

15036 Acetamide
20801 Acetone chloroform, Ph. Eur. I, B. P. 1973, Ph. Franç., U. S. P. XIX
20900 Acetylsalicylic acid, cryst. 20/100, Ph. Eur. I, B. P. 1973, Ph. Franç. IX, U. S. P. XIX
20802 Acetylsalicylic acid, cryst. 20/38, Ph. Eur. I, B. P. 1973, Ph. Franç. IX, U. S. P. XIX
20901 Acetylsalicylic acid, finest powder, Ph. Eur. I, B. P. 1973, Ph. Franç. IX, U. S. P. XIX
20902 Acetylsalicylic acid, granulated DT, Ph. Eur. I, B. P. 1973, Ph. Franç. IX, U. S. P. XIX
20920 Acriflavine chloride, N. F. X, Ph. Nord. 1963
20921 Acriflavine hydrochloride, B. P. C. 1963, N. F. X
11016 Aluminium chloride-6-hydrate, chem. pure cryst. N. F. XIV, Reag. DAB 8
11044 Aluminium sulphate-18-hydrate, chem. pure cryst. Ph. Eur. I, B.P.C. 1973, Ph. Franç. IX, U.S.P. XVII
11204 Ammonium carbonate, chem. pure powder DAB 6, N. F. XIV
11209 Ammonium chloride, chem. pure cryst., Ph. Eur. I, B. P. 1973, Ph. Franc, IX, N. F. XIV
11213 Ammonium hydrogen carbonate, chem. pure crystalline powder B. P. C. 1973
04211 *di*-Ammonium hydrogen phosphate, chem. pure cryst. Erg. B. 6
03101 Ammonium iodide, chem. pure
12303 Ammonium iron(III) sulphate, Erg. B. 6
25403 Ammonium oxalate, chem. pure cryst. Erg. B. 6
11222 Ammonium peroxodisulphate, pure Erg. B. 6
20925 B-4-amino-quinoline urea, [1,3-Bis-(4-amino-2-methylquinoline-6-yl)-urea dihydrochloride]
02103 Barium bromide-2-hydrate
11411 Barium chloride-2-hydrate, chem. pure cryst.
62160 Bromoacetaldehyde diethyl acetal, PROSYNTH®
02874 Bromoacetaldehyde diethyl acetal
62165 Bromoacetyl bromide, PROSYNTH®
02877 Bromoacetyl bromide
64666 Bromoacetyl chloride, PROSYNTH®
02868 Bromoacetyl chloride
02809 1-Bromobutane
22003 7-Bromo-5-chloro-8-hydroxyquinoline
62192 1-Bromo-3-chloropropane, PROSYNTH®
15391 1-Bromo-3-chloropropane
61047 4-Bromofluorobenzene, PROSYNTH®
01807 4-Bromofluorobenzene
62204 1-Bromohexane, PROSYNTH®
02870 1-Bromohexane, min. 99%
62214 4-Bromophenol, PROSYNTH®
15271 4-Bromophenol
60079 2-Bromopropane, PROSYNTH®
02824 2-Bromopropane, technical
02804 3-Bromopropene
25012 Calcium acetate, pure
04223 Calciumbis(dihydrogen phosphate), chem. pure cryst.
12010 Calcium carbonate, chem. pure precipitated Ph. Eur. I, B. P. 1973, Ph. Franc, IX, U. S. P. XIX
12064 Calcium chloride-2-hydrate, chem. pure Ph. Eur. I, B. P. 1973, Ph. Franc, IX, U. S. P. XIX
12074 Calcium chloride-6-hydrate, chem. pure cryst. Erg. B. 6, Cod. Franc, 1965, Ph. Nord. 1963
04231 Calcium hydrogen phosphate-2-hydrate, chem. pure Ph. Eur. I, Ph. Franç. IX
04408 Calcium hypophosphite, chem. pure DAC, B. P. C. 1963, N. F. X
15364 Calcium malonate, (water containing)
04238 *tri*-Calcium phosphate, chem. pure B. P. C. 1973
12056 Calcium sulphate-2-hydrate, pure
18004 Charcoal wood, powder
61394 2-Chloro-6-fluorobenzaldehyde, PROSYNTH®
61393 2-Chloro-6-fluorobenzyl chloride, PROSYNTH®
61054 2-Chloro-6-fluorotoluene, PROSYNTH®
01806 2-Chloro-6-fluorotoluene
61052 4-Chloro-2-fluorotoluene, PROSYNTH®
22069 5-Chloro-8-hydroxyquinoline
22006 5-Chloro-7-iodo-8-hydroxyquinoline, U. S. P. XVI
22090 5-Chloro-7-iodo-8-hydroxyquinoline, U.S.P. XVIII
12235 Chromium(VI) oxide, chem. pure DAC, B. P. C. 1968, N. F. X
12849 Copper(II) sulphate-5-hydrate, chem. pure cryst. B. P. C. 1973, N. F. XIV
20305 Dehydrocholic acid, U. S. P. XVI, Ö.A.B. 9
20303 Deoxycholic acid, chem. pure
61203 Dibromofluorobenzene, PROSYNTH®
22055 5,7-Dibromo-8-hydroxyquinoline
62460 1,3-Dibromopropane, PROSYNTH®
22067 5,7-Dichloro-8-hydroxyquinoline
20616 Diethyl di-*n*-butylmalonate
22008 5,7-Diiodo-8-hydroxyquinoline, B. P. 1973, U. S. P. XVIII
22070 4-Dimethylamino-1-phenyl-2,3-dimethylpyrazolone-(5)+8-Hydroxyquinoline-5-sulphonic acid
61268 2-Fluorobenzaldehyde, PROSYNTH®
61270 4-Fluorobenzaldehyde, PROSYNTH®
61044 Fluorobenzene, PROSYNTH®
01801 Fluorobenzene
61207 2-Fluorobenzoic acid, PROSYNTH®
01808 2-Fluorobenzoic acid
61208 3-Fluorobenzoic acid, PROSYNTH®
61275 4-Fluorobenzoic acid, PROSYNTH®
01809 4-Fluorobenzoic acid
61280 4-Fluorobenzophenone, PROSYNTH®
61282 2-Fluorobenzyl chloride, PROSYNTH®
61283 4-Fluorobenzyl chloride, PROSYNTH®
61302 2-Fluorobiphenyl, PROSYNTH®
61048 2-Fluorotoluene, PROSYNTH®
01804 2-Fluorotoluene
61049 3-Fluorotoluene, PROSYNTH®
61050 4-Fluorotoluene, PROSYNTH®
01805 4-Fluorotoluene
20817 GELETOL®, (Formaldehyde gelatine) (hardened gelatine fo the quicker disintegration of tablets)
15171 Guaiazulene, 50% (dissolved ir paraffin viscid)
15170 Guaiazulene, 100% pure cryst. *100%*
15172 Guaiazulene, 25% soluble in water (dissolved in Cremophor EL)
20818 4-Hexylresorcinol, (4-Hexylresorcin) N. F. XIV
03206 Hydriodic acid
22019 8-Hydroxyquinoline
22060 8-Hydroxyquinoline benzoate
22020 8-Hydroxyquinoline hydrochlori
22022 8-Hydroxyquinoline sulphate, Pl Ned. VI
04420 Hypophosphorous acid, 30% chem. pure B. P. C. 1963, N. F. XI
04423 Hypophosphorous acid, 60% pure
04422 Hypophosphorous acid, 50% pure
03002 Iodine, Ph. Eur. I, B. P. 1973, Ph. Franç. IX, U. S. P. XIX
03801 Iodoethane, 99—100% Erg. B. 6 with silver foil stabilized
22012 7-Iodo-8-hydroxyquinoline-5-sulphonic acid
03810 Iodomethane, with silver foil stabilized
12312 Iron, chem. pure made by reduction
04240 Iron phosphate, Erg. B. 6, B. P. C. 1973
12405 Iron(II) fumarate
04410 Iron(III) hypophosphite, chem. pure B. P. C. 1963
25428 Iron(II) oxalate
04241 Iron(III) phosphate, powder Erg. B. 6
12357 Iron(III) sulphate, chem. pure
12353 Iron(II) sulphate, exsiccated pure DAB 6, B. P. 1973
12354 Iron(II) sulphate-7-hydrate, pure cryst. Ph. Eur. I, B. P. 1973, Ph. Franc, IX
12352 Iron(II) sulphate-7-hydrate, pure cryst. U. S. P. XIX
73020 Juniper tar
18616 Kaolin, heavy powder Ph. Eur. I, B.P. 1973, Ph. Franç. IX
11504 Lead acetate trihydrate, chem. pure cryst. B. P. C. 1973, N. F. X
13007 Lithium benzoate, pure Erg. B. 6
02118 Magnesium bromide-6-hydrate, pure
13174 Magnesium chloride-2-hydrate, chem. pure powder
13124 Magnesium chloride-6-hydrate, chem. pure cryst. Ph. Eur. I
13151 Magnesium chloride-6-hydrate, chem. pure cryst., Ph. Eur. I, B. P. 1973, Ph. Franç. IX, Ph. Nord 1963

Magnesium dehydrocholate, for ampoules	*12637*	Potassium chloride, chem. pure powder Ph. Eur. I, B. P. 1973, Ph. Franc, IX, U. S. P. XIX, Ph. Nord. 1963
Magnesium dehydrocholate, for tablets		
Magnesium hydrogen phosphate-3-hydrate, pure Erg. B. 6	*12249*	Potassium chromate, chem. pure Erg. B. 6
Magnesium hydroxide carbonate, pure light powder, Ph. Eur. I, B. P. 1973, Ph. Franç. IX	*04243*	Potassium dihydrogen phosphate, chem. pure DAC, cryst.
Magnesium hypophosphite, pure	*04244*	Potassium dihydrogen phosphate, chem. pure DAC powder
Magnesium nicotinate, for tablets	*12602*	Potassium hydrogen carbonate, chem. pure cryst. DAB 8, B. P. C. 1973
Magnesium nitrate-6-hydrate, chem. pure	*04248*	*di*-Potassium hydrogen phosphate, chem. pure DAC, B. P. C. 1949, N. F. XII
Magnesium sulphate, chem. pure dried B. P. 1973	*04411*	Potassium hypophosphite, chem. pure Erg. B. 6, B. P. C. 1963
Magnesium sulphate, chem. pure dried DAB 7	*03124*	Potassium iodide, chem. pure Ph. Eur. I, B. P. 1973, Ph. Franç. IX, U. S. P. XIX
Magnesium sulphate-7-hydrate, chem. pure cryst., Ph. Eur. I, dried B. P. 1973	*12648*	Potassium nitrate, chem. pure cryst. DAB 6, B. P. 1973, N. F. XI
Malonic acid, pure	*25413*	Potassium oxalate monohydrate, chem. pure Erg. B. 6
Manganese(II) hypophosphite-1-hydrate, Erg. B. 6, B. P. C. 1963	*12658*	Potassium sulphate
Manganese(II) lactate trihydrate, pure Erg. B. 6	*12659*	Potassium sulphate, chem. pure fine powder B. P. C. 1949
5-Nitro-8-hydroxyquinoline	*20923*	Procaine A, Ph. Eur. I, B. P. 1973, Ph. Franç. IX
Oil of turpentine, rectified DAB 8	*20922*	Procaine P, Ph. Eur. I, B. P. 1973, Ph. Franç. IX
Phenacetin, cryst. Ph. Eur. I, B. P. 1973, Ph. Franç. IX	*20927*	Proflavine hemisulphate, B. P. 1968, B. P. C. 1968
Phenacetin, powder Ph. Eur. I, B. P. 1973, Ph. Franç. IX	*20926*	Proflavine monohydrochloride
2-Phenylbutyramide	*20139*	*iso*-Propyl-β-bromallylbarbituric acid, DAB 7
2-Phenylbutyric acid, pure	*23001*	Pyrocatechol, chem. pure
2-Phenylbutyryl chloride	*16157*	Resorcinol monoacetate, N. F. XIV
ortho-Phosphoric acid, 85%, chem. pure Ph. Eur. I, B. P. 1973, Ph. Franc, IX, N. F. XIV	*25062*	Sodium acetate trihydrate, DAB 6
Potassium acetate, cryst., for fabrication of penicillin	*13418*	Sodium carbonate, chem. pure anhydrous B. P. C. 1968
Potassium acetate, powder for fabrication of penicillin	*13414*	Sodium carbonate-10-hydrate, chem. pure Ph. Eur. I, B. P. C. 1973, Ph. Franc, IX
Potassium aluminium sulphate-12-hydrate, chem. pure crystalline powder Ph. Eur. I, B. P. 1973, Ph. Franc, IX	*13568*	Sodium carbonate-1-hydrate, chem. pure Ph. Eur. I, Ph. Franc, IX
Potassium carbonate, pure granulated DAB 6	*13541*	Sodium chloride, chem. pure Ph. Eur. I, B. P. 1973, Ph. Franc, IX, U. S. P. XIX
Potassium chlorate, chem. pure cryst. DAB 6, B. P. C. 1973, N. F. X	*13423*	Sodium chloride, chem. pure Ph. Eur. I, B. P. 1973, Ph. Franc, IX, U. S. P. XIX
Potassium chloride, chem. pure cryst. Ph. Eur. I, B. P. 1973, Ph. Franc, IX, U. S. P. XIX, Ph. Nord. 1963	*20365*	Sodium deoxycholate, chem. pure
	04269	Sodium dihydrogen phosphate-2 hydrate, chem. pure cryst. DAB 8 B. P. 1973
	04284	*tetra*-Sodium diphosphate-10-hydrate, chem. pure cryst Erg. B. 6
	01148	Sodium fluoride, chem. pure, DAC, B. P. 1973, U. S. P. XIX
	13433	Sodium hydrogen carbonate, chem. pure powder, Ph. Eur. I, B. P. 1973, Ph. Franc, IX
	04274	*di*-Sodium hydrogen phosphate-7-hydrate, chem. pure Erg. B. 6, U. S. P. XIX
	04272	*di*-Sodium hydrogen phosphate-2-hydrate, chem. pure Ph. Belg. V., Ph. Nord. 1963
	04273	*di*-Sodium hydrogen phosphate-12-hydrate, (19-20% P_2O_5) chem. pure cryst. Ph. Eur. I, B. P. 1973, Ph. Franc, IX
	04434	Sodium hypophosphite, chem. pure B. P. C. 1963
	04415	Sodium hypophosphite-1-hydrate, chem. pure DAC, N. F. X
	03129	Sodium iodide, chem. pure Ph. Eur. I, B. P. 1973, Ph. Franç. IX, U. S. P. XIX
	25309	Sodium lactate solution, 50%, DAB 8
	13444	Sodium nitrate, chem. pure cryst.
	13447	Sodium nitrite, chem. pure cryst. DAB 8, B. P. C. 1973, U. S. P. XIX
	13464	Sodium sulphate, exsiccated chem. pure Ph. Eur. I, B. P. C. 1973, Ph. Franc, IX
	13479	Sodium thiosulphate-5-hydrate, chem. pure cryst. Ph. Eur. I
	02125	Strontium bromide-6-hydrate, chem. pure N. F. X
	13909	Strontium chloride-6-hydrate, chem. pure cryst. Erg. B. 6
	13923	Strontium sulphide, 60% SrS, pure fine powder
	20924	Tetracaine hydrochloride, Ph. Eur. I, B. P. 1973, Ph. Franç. IX
	01160	Tin(II) fluoride, chem. pure
	25044	Zinc acetate dihydrate, pure cryst. Erg. B. 6
	14455	Zinc sulphate-7-hydrate, chem. pure Ph. Eur. I, B. P. 1973, Ph. Franc, IX, U. S. P. XIX

Chemicals for hemodialysis

Calcium chloride-2-hydrate, chem. pure Ph. Eur. I, B. P. 1973, Ph. Franc, IX, U. S. P. XIX	*25014*	Potassium acetate, chem. pure, DAC, B. P. 1973, U. S. P. XIX
Magnesium chloride-6-hydrate, chem. pure cryst. Ph. Eur. I	*12636*	Potassium chloride, chem. pure cryst. Ph. Eur. I, B. P. 1973, Ph. Franc, IX, U. S. P. XIX, Ph. Nord. 1963
Magnesium chloride-6-hydrate, chem. pure cryst., Ph. Eur. I, B. P. 1973, Ph. Franç. IX, Ph. Nord. 1963	*25022*	Sodium acetate trihydrate, chem. pure Ph. Eur. I, B.P. 1973, Ph. Franç. IX, U.S.P. XIX
	25062	Sodium acetate trihydrate, DAB 6

Catalysts, catalyst raw materials and stabilizers

Aluminium nitrate-9-hydrate, chem. pure cryst.	*11115*	Antimony(III) oxide, chem. pure
Aluminium nitrate-9-hydrate, technical cryst.	*31122*	Antimony(III) oxide, R. G.
Ammonium acetate, technical	*02882*	N-Benzyl-N,N,N-trimethylammonium bromide
Ammonium *meta*-vanadate, R. G., Reag. Ph. Eur. I	*62168*	2-Bromoethylammonium bromide, PROSYNTH®
Antimony(V) chloride	*23195*	4-*tert.*-Butylpyrocatechol, contg 15% methanol, liquid
Antimony(III) chloride, pure lumps	*23194*	4-*tert.*-Butylpyrocatechol, contg. 15% water, liquid
	23193	4-*tert.*-Butylpyrocatechol, technical (crystalline solid) *(crystalline solid)*
	12040	Calcium nitrate-4-hydrate, chem. pure
	12232	Chromium(III) nitrate-9-hydrate, pure cryst

12827 Copper(II) chloride-2-hydrate, technical
12839 Copper(II) nitrate-3-hydrate, chem. pure
12837 Copper(II) nitrate-3-hydrate, pure
15084 Dimethyldodecylethylammonium bromide
02884 Dimethylethylhexadecylammonium bromide
65015 N-Hexadecyl-N,N,N-trimethylammonium bromide, PROSYNTH®
04429 Hypophosphorous acid, 50% technical
12335 Iron(III) nitrate-9-hydrate, chem. pure cryst.
12336 Iron(III) nitrate-9-hydrate, cryst.
12358 Iron(III) sulphate, exsiccated, technical
13129 Magnesium nitrate-6-hydrate, chem. pure
13131 Magnesium nitrate-6-hydrate, pure
13259 Manganese oxide hydrated, technical for PVC-stabilization
17854 Manganese(II) acetate tetrahydrate, PURANAL®
13286 Manganese(II) acetate tetrahydrate, chem. pure
04414 Manganese(II) hypophosphite-1-hydrate, Erg. B. 6, B. P. C. 1963
25014 Potassium acetate, chem. pure, DAC, B. P. 1973, U. S. P. XIX
25017 Potassium acetate, pure
11620 Potassium tetraborate-4-hydrat
02883 N-Tetradecyl-N,N,N-trimethylammonium bromide
65169 Tetraethylammonium bromide, PROSYNTH®
16268 Tetraethylammonium hydroxide solution, 40% in water
16262 Tetraethylammonium hydroxide solution, 20% in water
17919 Vanadium(V) oxide, PURANAL®
14205 Vanadium(V) oxide, pure
25044 Zinc acetate dihydrate, pure cryst. Erg. B. 6
14436 Zinc nitrate-6-hydrate, pure cry

5.5. Curing agents for sealants

11463 Barium oxide, powder
11428 Barium peroxide, powder, min. 95 % BaO_2
12107 Calcium peroxide, for Thiokol® hardening abt. 60% CaO_2
11565 Lead(IV) oxide, standardised for Thiokol® hardening HC 1
11567 Lead(IV) oxide, standardised for Thiokol® hardening HC 3
11570 Lead(IV) oxide, standardised for Thiokol® hardening HC 6
13201 Manganese(IV) oxide G
13291 Manganese(IV) oxide, for Thiokol® hardening C
13207 Manganese(IV) oxide, for Thiokol® hardening FA
13919 Strontium peroxide, min. 85% SrO_2
14460 Zinc peroxide, about 65% ZnO_2

5.6. Additives for the food industry

25011 Calcium acetate, chem. pure
25012 Calcium acetate, pure
12074 Calcium chloride-6-hydrate, chem. pure cryst. Erg. B. 6, Cod. Franc, 1965, Ph. Nord. 1963
12064 Calcium chloride-2-hydrate, chem. pure Ph. Eur. I, B. P. 1973, Ph. Franc, IX, U. S. P. XIX
70020 Ethylvanillin, N. F. XIV
12636 Potassium chloride, chem. pure cryst. Ph. Eur. I, B. P. 1973, Ph. Franc, IX, U. S. P. XIX, Ph. Nord. 1963
12602 Potassium hydrogen carbonate, chem. pure cryst. DAB 8, B. P. C. 1973
65022 Hydroxyacetone, 50% in water PROSYNTH®

Periodic table of the elements

The Weights in parentheses ( ) are mass molare of the most stable or best-known isotopes

Peri-od	I a b	II a b	III a b	IV a b	V a b	VI a b	VII a b	VIII			0
I	1 **H** 1,0079										2 **He** 4,00260
II	3 **Li** 6,9401	4 **Be** 9,01218	5 **B** 10,81	6 **C** 12,011	7 **N** 14,0067	8 **O** 15,9994	9 **F** 18,99840				10 **Ne** 20,179
III	11 **Na** 22,98977	12 **Mg** 24,305	13 **Al** 26,98154	14 **Si** 28,0855	15 **P** 30,97376	16 **S** 32,0655	17 **Cl** 35,453				18 **Ar** 39,948
IV	19 **K** 39,0983 29 **Cu** 63,546	20 **Ca** 40,08 30 **Zn** 65,38	21 **Sc** 44,9559 31 **Ga** 69,72	22 **Ti** 47,90 32 **Ge** 72,59	23 **V** 50,9414 33 **As** 74,9216	24 **Cr** 51,996 34 **Se** 78,96	25 **Mn** 54,9380 35 **Br** 79,904	26 **Fe** 55,847	27 **Co** 58,9332	28 **Ni** 58,70	36 **Kr** 83,80
V	37 **Rb** 85,4678 47 **Ag** 107,868	38 **Sr** 87,62 48 **Cd** 112,41	39 **Y** 88,9059 49 **In** 114,82	40 **Zr** 91,22 50 **Sn** 118,69	41 **Nb** 92,9064 51 **Sb** 121,75	42 **Mo** 95,94 52 **Te** 127,60	43 **Tc** (97) 53 **J** 126,9045	44 **Ru** 101,07	45 **Rh** 102,9055	46 **Pd** 106,4	43 **Xe** 131,30
VI	55 **Cs** 132,9054 79 **Au** 196,9665	56 **Ba** 137,33 80 **Hg** 200,59	57–71 **Lanthanum** 81 **Tl** 204,37	72 **Hf** 178,49 82 **Pb** 207,2	73 **Ta** 180,9479 83 **Bi** 208,9804	74 **W** 183,85 84 **Po** (209)	75 **Re** 186,207 85 **At** (210)	76 **Os** 190,2	77 **Ir** 192,22	78 **Pt** 195,09	86 **Rn** (222)
VII	87 **Fr** (223)	88 **Ra** 226,0254	89–103 **Actinium**								

Lantha-nides 57–71	57 **La** 138.9055	58 **Ce** 140,12	59 **Pr** 140,9077	60 **Nd** 144,24	61 **Pm** (145)	62 **Sm** 150,4	63 **Eu** 151,96	64 **Gd** 157,25	65 **Tb** 158,9254	66 **Dy** 162,50	67 **Ho** 164,9304	68 **Er** 167,26	69 **Tm** 168,9342	70 **Yb** 173.04	71 **Lu** 174.97
Actinides 89–103	89 **Ac** (227)	90 **Th** 232,0381	91 **Pa** 231,0359	92 **U** 238,029	93 **Np** 237,0482	94 **Pu** (244)	95 **Am** (243)	96 **Cm** (247)	97 **Bk** (247)	98 **Cf** (251)	99 **Es** (254)	100 **Fm** (257)	101 **Md** (258)	102 **No** (255)	103 **Lr** (260)

Riedel-de Haën AG

Survey of inorganic compounds

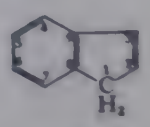
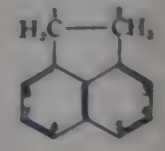
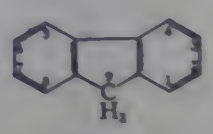
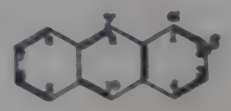
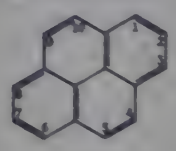
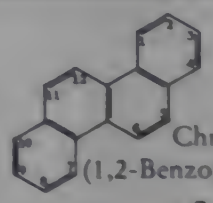
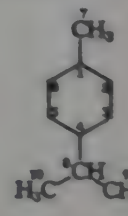
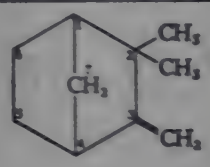
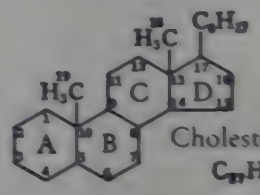
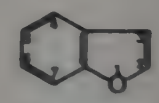
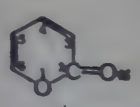
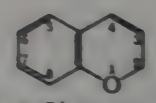
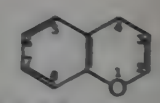
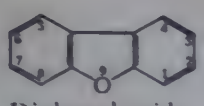
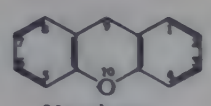
The formulae stated indicate that the products concerned are sold by Riedel-de Haën as pure substances or as solutions. For further inorganic compounds not listed here and details of the products mentioned please turn to the alphabetically arranged section.

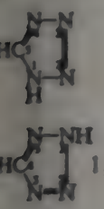
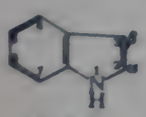
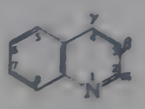
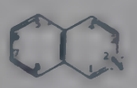
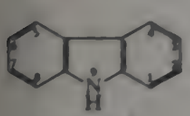
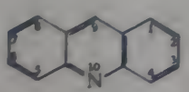
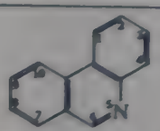
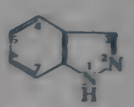
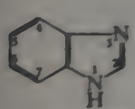
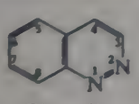
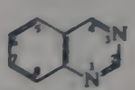
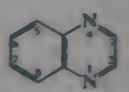
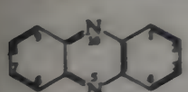
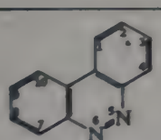
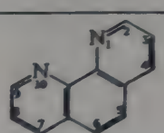
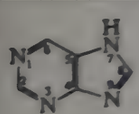
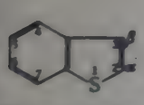
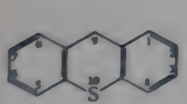
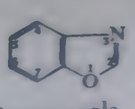
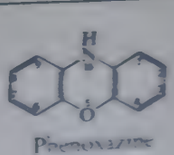
Element		Oxide Peroxide Hydroxide	Fluoride	Chloride	Bromide	Iodide	Sulphate	Nitrate
Aluminium	Al	$Al_2O_3/Al(OH)_3$	AlF_3	$AlCl_3$			$Al_2(SO_4)_3$	$Al(NO_3)_3$
Ammonium		$ND_3 \cdot D_2O/NH_3 \cdot H_2O$	NH_4F/NH_4HF_2	ND_4Cl/NH_4Cl	NH_4Br	NH_4I	$(NH_4)_2SO_4$	NH_4NO_3
Antimony	Sb	$Sb_2O_3/Sb_2O_4/Sb_2O_5$	SbF_3	$SbCl_3SbCl_5$				
Arsenic	As	$As_2O_3/3As_2O_5 \cdot 5H_2O$		$AsCl_3$				
Barium	Ba	$BaO/BaO_2/Ba(OH)_2$	BaF	$BaCl_2$	$BaBr_2$		$BaSO_4$	$Ba(NO_3)_2$
Beryllium	Be	BeO	BeF_2	$BeCl_2$				$Be(NO_3)_2$
Bismuth	Bi	Bi_2O_3		$BiCl_2$				$Bi(NO_3)_3$
Boron	B	B_2O_3		BCl_3	BBr_3	BI_3		
Bromine	Br					IBr		
Cadmium	Cd	CdO		$CdCl_2$	$CdBr_2$	CdI_2	$CdSO_4$	$Cd(NO_3)_2$
Calcium	Ca	$CaO/Ca(OH)_2$	CaF_2	$CaCl_2$	$CaBr_2$	CaI_2	$CaSO_4$	$Ca(NO_3)_2$
Cerium	Ce	CeO_2	CeF_3	$CeCl_3$			$Ce_2(SO_4)_3/Ce(SO_4)_2$	$Ce(NO_3)_3$
Cesium			CsF	CsCl	CsBr	CsI	Cs_2SO_4	$CsNO_3$
Chlorine						ICl/ICl_3		
Chromium	Cr	Cr_2O_3/CrO_3	CrF_2/CrF_3	$CrCl_3$			$Cr_4(SO_4)_5(OH)_2$	$Cr(NO_3)_3$
Cobalt	Co		CoF_2/CoF_3	$CoCl_2$			$CoSO_4$	$Co(NO_3)_2$
Copper	Cu	Cu_2O/CuO	CuF_2	$CuCl/CuCl_2$	$CuBr/CuBr_2$	CuI	$CuSO_4$	$Cu(NO_3)_2$
Dysprosium	Dy	Dy_2O_3	DyF_3	$DyCl_3$				
Erbium	Er	Er_2O_3	ErF_3					$Er(NO_3)_3$
Europium	Eu	Eu_2O_3	EuF_3					$Eu(NO_3)_3$
Gadolinium	Gd	Gd_2O_3						$Gd(NO_3)_3$
Gallium	Ga	Ga_2O_3		$GaCl_3$				$Ga(NO_3)_3$
Germanium	Ge	GeO_2		$GeCl_4$				
Hafnium		HfO_2						
Holmium	Ho	Ho_2O_3	HoF_3	$HoCl_3$				
Hydrogen		H_2O_2	HF	HCl	HBr	HI	H_2SO_4	HNO_3
Indium	In	In_2O_3		$InCl_3$	$InBr_3$		$In_2(SO_4)_3$	$In(NO_3)_3$
Iodine	I	I_2O_5		ICl/ICl_3	IBr			
Iridinium	Ir			$IrCl_3$				
Iron	Fe	Fe_2O_3	FeF_3	$FeCl_2/FeCl_3$			$FeSO_4/Fe_2(SO_4)_3$	$Fe(NO_3)_3$
								$La(NO_3)_3$

Element		Peroxide Hydroxide						
Lanthanum	La	La_2O_3	LaF_3	$LaCl_3$				
Lead	Pb	$PbO/PbO_2/Pb_3O_4$	PbF_2	$PbCl_2$			$PbSO_4$	$Pb(NO_3)_2$
Lithium	Li	LiOH	LiF	LiCl	LiBr		Li_2SO_4	$LiNO_3$
Lutetium	Lu	Lu_2O_3	LuF_3					
Magnesium	Mg	MgO/MgO_2	MgF_2	$MgCl_2$	$MgBr_2$		$MgSO_4$	$Mg(NO_3)_2$
Manganese	Mn	MnO_2	MnF_2	$MnCl_2$			$MnSO_4$	$Mn(NO_3)_2$
Molybdenum	Mo	MoO_3		$MoCl_5$				
Neodymium	Nd	NdO_3	NdF_3					$Nd(NO_3)_3$
Nickel	Ni	Ni_2O_3	NiF_2	$NiCl_2$			$NiSO_4$	$Ni(NO_3)_2$
Niobium	Nb		NbF_5	$NbCl_5$				
Osmium	Os	OsO_4						
Palladium	Pd			$PdCl_2$				
Phosphorus	P	P_2O_5		$PCl_3/PCl_5/POCl_3$	PBr_3			
Platinum	Pt	PtO_2		$PtCl_2/PtCl_4$				
Potassium	K	KOH	KF/KHF_2	KCl	KBr	KI	$KHSO_4/K_2SO_4$	KNO_3
Praseodymium	Pr	Pr_6O_{11}	PrF_3					$Pr(NO_3)_3$
Mercury	Hg	HgO		$Hg_2Cl_2/HgCl_2$	$HgBr_2$	HgI_2	$Hg_2SO_4/HgSO_4$	$Hg_2(NO_3)_2$
Rhenium	Re	Re_2O_7						
Rhodium	Rh	Rh_2O_3		$RhCl_3$				
Rubidium	Rb		RbF	RbCl				
Ruthenium	Ru	RuO_2		$RuCl_3$				
Samarium	Sm	Sm_2O_3	SmF_3					$Sm(NO_3)_3$
Scandium	Sc							
Selenium	Se			$SeCl_4$				
Silver	Ag	Ag_2O	AgF_2	AgCl	AgBr	AgI	Ag_2SO_4	$AgNO_3$
Silicium	Si	SiO_2		$SiCl_4$				
Sodium	Na	NaOD/NaOH	$NaF/NaHF_2$	NaCl	NaBr	NaI	$NaHSO_4Na_2SO_4$	$NaNO_3$
Strontium	Sr	$SrO_2/Sr(OH)_2$	SrF_2	$SrCl_2$	$SrBr_2$		$SrSO_4$	$Sr(NO_3)_2$
Sulphur	S	SO_2		S_2Cl_2				
Tantalum	Ta	Ta_2O_5	TaF_5	$TaCl_5$				
Tellurium	Te	TeO_2						
Terbium	Tb	Tb_4O_7	TbF_3	$TbCl_3$				
Thallium	Tl	Tl_2O_3		TlCl	TlBr	TlI	Tl_2SO_4	$TlNO_3$
Thorium		ThO_2						$Th(NO_3)$
Thulium	Tm	Tm_2O_3	TmF_3					
Tin	Sn	SnO/SnO_2	SnF_2	$SnCl_2SnCl_4$			$SnSO_4$	
Titanum		TiO_2	TiF_3/TiF_4	$TiCl_3/TiCl_4$			$TiOSO_4$	
Tungsten	W	WO_3		WCl_6				
Vanadium	V	V_2O_5	VF_3	$VCl_3/VOCl_3$				
Deuterium		D_2O		DCl			D_2SO_4	DNO_3
Ytterbium	Yb	Yb_2O_3	YbF_3	$YbCl_3$				
Yttrium	Y	Y_2O_3	YF_3	YCl_3				$Y(NO_3)_3$
Zinc	Zn	ZnO/ZnO_2	ZnF_2	$ZnCl_2$	$ZnBr_2$	ZnI_2	$ZnSO_4$	$Zn(NO_3)_2$
Zirconium	Zr	ZrO_2	ZrF_4	$ZrOCl_2$			$Zr(SO_4)_2$	

Riedel-de Haën AG

Formulae of ring compounds

Toluene C_7H_8	 Indene C_9H_8	Naphthalene $C_{10}H_8$	 Acenaphthene $C_{12}H_{10}$
Biphenyl $C_{12}H_{10}$	 Fluorene $C_{13}H_{10}$	 Anthracene $C_{14}H_{10}$	Phenanthrene $C_{14}H_{10}$
 Pyrene $C_{16}H_{10}$	 Chrysene (1,2-Benzophenanthrene) $C_{18}H_{12}$	 p-Menthane $C_{10}H_{20}$	Azulene $C_{10}H_8$
 Camphene $C_{10}H_{16}$	 Cholestane $C_{27}H_{48}$	Furan C_4H_4O	1,2-Pyran C_5H_6O
1,4-Pyran C_5H_6O	1,3-Dioxan $C_4H_8O_2$	1,4-Dioxan $C_4H_8O_2$	 Cumarone C_8H_6O
 α-Pyrone Cumaline $C_5H_4O_2$	γ-Pyrone $C_5H_4O_2$	 1,2-Chromene C_9H_8O	 1,4-Chromene C_9H_8O
 Diphenyl oxide $C_{12}H_{10}O$	 Xanthene $C_{13}H_{10}O$	Pyrrole C_4H_5N	Pyrazole $C_3H_4N_2$
Imidazole (Glyoxaline) $C_3H_4N_2$	1,2,3-Triazole $C_2H_3N_3$	1,2,4-Triazole $C_2H_3N_3$	Pyridine C_5H_5N

Pyridazine $C_4H_4N_2$	Pyrimidine $C_4H_4N_2$	Pyrazine $C_4H_4N_2$	1,2,4-Triazine $C_3H_3N_3$
 1,2,3,4-Tetrazole or 1,2,3,5 resp.	 Indole C_8H_7N	 Quinoline C_9H_7N	 Isoquinoline C_9H_7N
 Carbazole $C_{12}H_9N$	 Acridine $C_{13}H_9N$	 Phenanthridine Benzo[c]quinoline $C_{13}H_9N$	 Indazole $C_7H_6N_2$
 Benzimidazole $C_7H_6N_2$	 Cinnoline 1,2-Benzodiazine $C_8H_6N_2$	 Quinoxaline 1,3-Benzodiazine $C_8H_6N_2$	 Quinoxaline 1,4-Benzodiazine $C_8H_6N_2$
 Phenazine Dibenzopyrazine $C_{12}H_8N_2$	 Benzo[c]cinnoline (Phenazone) $C_{12}H_8N_2$	 1,10-Phenanthroline o-Phenanthroline $C_{12}H_8N_2$	1,7-Phenanthroline $C_{12}H_8N_2$
 Purine $C_5H_4N_4$	Thiophen C_4H_4S	1,2-Thiopyrane C_5H_6S	1,4-Thiopyrane C_5H_6S
 Thionaphthene C_8H_6S	 Thioxanthene $C_{13}H_{10}S$	Isoxazole C_3H_3ON	Oxazole C_3H_3ON
Isothiazole C_3H_3NS	Thiazole C_3H_3NS	 Benzoxazole C_7H_5ON	 Phenoxazine $C_{12}H_9ON$

Empirical formulae index of organic compounds

$CBrCl_3$
Bromotrichloromethane

$CBrN$
Cyanogen bromide

CBr_4
Carbon tetrabromide

$CClNO_3S$
Chlorosulphonyl *iso*-cyanate

CCl_2S
Thiophosgene

CCl_3NO_2
Trichloronitromethane

CCl_4
Carbon tetrachloride

CCl_4O_2S
Trichloromethanesulphonyl chloride

CCl_4S
Trichloromethanesulphenyl chloride

$CDBr_3$
Bromoform-d

$CDCl_3$
Chloroform-d

CD_2O
Formaldehyde-d_2 solution

$(CD_2O)_x$
Paraformaldehyde-d_x

CD_3Br
Methyl bromide-d_3

CD_3J
Methyl iodide-d_3

CD_3NO_2
Nitromethane-d_3

CD_4O
Methanol-d_4

$CHBrCl_2$
Bromodichloromethane

$CHBr_3$
Bromoform

$CHCl_3$
Chloroform

CHD_3O
Methanol-d_3

CHF_3O_3S
Trifluoromethanesulphonic acid

$CHNaO_2$
Sodium formate

CH_2BrCl
Bromochloromethane

CH_2Br_2
Dibromomethane

CH_2Cl_2
Dichloromethane

CH_2J_2
Diiodomethane

CH_2N_2
Cyanamide solution

CH_2O
Formaldehyde solution

$(CH_2O)_x$
Paraformaldehyde

CH_2O_2
Formic acid

CH_3Br
Bromomethane

CH_3ClD_3N
Methylammonium chloride-d_3

CH_3ClO_2S
Methanesulphonyl chloride

CH_3Cl_2OP
Methanephosphonic acid dichloride

CH_3Cl_2PS
Methanethiophosphonic acid dichloride

CH_3DO
Methanol-d_1

CH_3FO_3S
Methyl fluorosulphonate

CH_3J
Iodomethane

CH_3NO
Formaldoxime
Formamide

CH_3NO_2
Nitromethane

$CH_3N_5 \cdot H_2O$
5-Aminotetrazole monohydrate

CH_3NaO
Sodium methylate

$CH_4Cl_2N_2$
Chloroformamidinium chloride

CH_4Cl_2Si
Methyldichlorosilane

CH_4N_2O
Urea

CH_4N_2S
Thiourea

CH_4N_2Se
Selenourea

CH_4O
Methanol

CH_4O_3S
Methanesulphonic acid

CH_5N
Methylamine solution

CH_5NO_2
Ammonium formate

$CH_5N_3O_4$
Urea nitrate

CH_5N_3S
Thiosemicarbazide

CH_5O_3P
Methanephosphonic acid

CH_6ClN
Methylammonium chloride

CH_6ClN_3
Guanidinium chloride

CH_6ClN_3O
Semicarbazide hydrochloride

CH_6N_2
Methylhydrazine

$CH_6N_2O_2$
Ammonium carbamate

CH_6N_4O
Carbohydrazide

$CH_6N_4O_3$
Guanidinium nitrate

$CH_8Cl_2N_2$
Methylenediamine dihydrochloride

CJ_4
Tetraiodomethane

$C_2AgF_3O_2$
Silver trifluoroacetate

$C_2Br_2Cl_4$
1,2-Dibromotetrachloroethane

$C_2Br_2F_4$
1,2-Dibromotetrafluoroethane

C_2ClNO_2
Chlorocarbonyl *iso*-cyanate

$C_2Cl_2O_2$
Oxalyl chloride

$C_2Cl_3F_3$
1,1,2-Trichlorotrifluoroethane

C_2Cl_3N
Trichloroacetonitrile

$C_2Cl_3NaO_2$
TCA

C_2Cl_4
Tetrachloroethylene

$C_2Cl_4D_2$
1,1,2,2-Tetrachloroethane-d_2

C_2Cl_4O
Trichloroacetyl chloride

C_2Cl_6
Hexachloroethane

$C_2DF_3O_2$
Trifluoroacetic acid-d

$C_2D_3F_3O$
2,2,2-Trifluoroethanol-d_3

C_2D_3N
Acetonitrile-d_3

$C_2D_4O_2$
Acetic acid-d_4

C_2D_6O
Ethanol-d_6

C_2D_6OS
Dimethyl sulphoxide-d_6

$C_2D_6O_2$
Ethylene glycol-d_6

$C_2D_6O_4S$
Dimethyl sulphate-d_6

$C_2FeO_4 \cdot 2H_2O$
Iron(II) oxalate

$C_2F_3NaO_2$
Trifluoroacetic acid sodium salt

C_2F_5J
Perfluoroethyl iodide

...romethanesulphonic anhydride

...Cl$_3$
...bromotrichloroethane

...O
...al

...O$_2$
...omoacetic acid

...$_2$O$_2$
...odifluoroacetic acid

...loroethylene

...O
...ral
...loroacetyl chloride

...O$_2$
...loroacetic acid

...achloroethane

...O · xH$_2$O
...uoroacetaldehyde hydrate

...O$_2$
...uoroacetic acid

...O$_3$ · H$_2$O
...xylic acid sodium salt

...ClO
...noacetyl chloride

...r$_2$
...Dibromoethylene

...r$_2$Cl$_2$
...Dibromo-1,1-dichloroethane

...r$_2$F$_2$
...Dibromo-1,1-difluoroethane

...r$_2$O
...noacetyl bromide

...r$_2$O$_2$
...romoacetic acid

...r$_4$
...2,2-Tetrabromoethane

...IF$_3$O$_2$S
...2-Trifluoroethanesulphonyl chloride

...IN
...roacetonitrile

...INS
...romethyl thiocyanate

...INaO$_2$
...roacetic acid sodium salt

...l$_2$
...Dichloroethylene
...*s*-1,2-Dichloroethylene
...Dichloroethylene

...l$_2$O
...roacetyl chloride

...l$_2$O$_2$
...hloroacetic acid

...l$_3$NO
...hloroacetamide

...l$_4$
...2,2-Tetrachloroethane

...$_4$O$_2$
...ylene glycol-d$_4$

...NaO$_2$
...roacetic acid sodium salt

$C_2H_2F_3J$
1H,1H-Perfluoroethyl iodide

$C_2H_2F_3NO$
Trifluoroacetamide

$C_2H_2JNaO_2$
Iodoacetic acid sodium salt

$C_2H_2O_2$
Glyoxal solution

$C_2H_2O_3$
Glyoxylic acid solution

$C_2H_2O_3 \cdot H_2O$
Glyoxylic acid monohydrate

$C_2H_2O_4$
Oxalic acid

$C_2H_2O_4 \cdot 2H_2O$
Oxalic acid dihydrate

$C_2H_3AgO_2$
Silver acetate

C_2H_3BrO
Acetyl bromide

$C_2H_3BrO_2$
Bromoacetic acid

$C_2H_3Br_3O$
2,2,2-Tribromoethanol

C_2H_3ClO
Acetyl chloride

$C_2H_3ClO_2$
Chloroacetic acid
Methyl chloroformate

$C_2H_3Cl_3$
1,1,1-Trichloroethane
1,1,2-Trichloroethane

$C_2H_3Cl_3O$
2,2,2-Trichloroethanol

$C_2H_3Cl_3O_2$
Chloral hydrate

$C_2H_3Cl_3Si$
Trichlorovinylsilane

$C_2H_3DO_2$
Acetic acid-d_1

$C_2H_3F_3O$
2,2,2-Trifluoroethanol

$C_2H_3F_3O_3S$
Methyl trifluoromethanesulphonate

$C_2H_3JO_2$
Iodoacetic acid

C_2H_3KOS
Thioacetic acid potassium salt

$C_2H_3KO_2$
Potassium acetate

C_2H_3N
Acetonitrile

C_2H_3NS
Methyl *iso*-thiocyanate

$C_2H_3N_3$
1,2,4-Triazole

$C_2H_3NaO_2$
Sodium acetate

$C_2H_3NaO_2 \cdot 3HO$
Sodium acetate trihydrate

$C_2H_3NaO_2S$
Sodium thioglycollate

$C_2H_3O_2Tl$
Thallium(I) acetate

C_2H_4BrCl
1-Bromo-2-chloroethane

$C_2H_4BrNaO_3S$
2-Bromoethanesulphonic acid sodium salt

C_2H_4BrNO
N-Bromoacetamide

$C_2H_4Br_2$
1,2-Dibromoethane

C_2H_4ClNO
Chloroacetamide

$C_2H_4Cl_2$
1,2-Dichloroethane

$C_2H_4Cl_2O$
Bis(chloromethyl)ether
2,2-Dichloroethanol
Dichloromethyl methyl ether

C_2H_4FNO
Fluoroacetamide

C_2H_4JNO
Iodoacetamide

$C_2H_4N_2O_2$
Oxamide

$C_2H_4N_2S_2$
Rubeanic acid

$C_2H_4N_4$
3-Amino-1,2,4-triazole
Amitrole
1-Cyanoguanidine

$C_2H_4N_4O_2$
Azodicarboxamide

C_2H_4O
Acetaldehyde
Ethylene oxide

C_2H_4OS
Thioacetic acid

$C_2H_4O_2$
Acetic acid
Glycolaldehyde
Methyl formate

$C_2H_4O_2S$
Thioglycollic acid

$C_2H_4O_3$
Glycollic acid

C_2H_5Br
Bromoethane

C_2H_5BrO
2-Bromoethanol

C_2H_5ClO
2-Chloroethanol

C_2H_5ClS
Chlorodimethyl sulphide

$C_2H_5Cl_3Si$
Ethyltrichlorosilane

C_2H_5DO
Ethanol-d_1

C_2H_5FO
2-Fluoroethanol

C_2H_5J
Iodoethane

C_2H_5JO
2-Iodoethanol

C_2H_5NO
Acetamide
N-Methylformamide

$C_2H_5NO_2$
Glycine
Methyl carbamate
Nitroethane

$C_2H_5NO_3$
2-Nitroethanol

C_2H_5NS
Thioacetamide

$C_2H_5N_3O_2$
Biuret

$C_2H_5N_5$
3,5-Diamino-1,2,4-triazole

$C_2H_6BF_3O$
Boron trifluoride methyl ether-complex

$C_2H_6ClO_2PS$
0,0-Dimethylthiophosphoric acid chloride

C_2H_6ClPS
Dimethylthiophosphine acid chloride

$C_2H_6Cl_2Sn$
Dimethyltin dichloride

$C_2H_6N_2O$
Methylurea

$C_2H_6N_2O_4S$
Aminoacetonitrile hydrogen sulphate

$C_2H_6N_2S$
N-Methylthiourea

$C_2H_6N_4O$
Guanyl urea

$C_2H_6N_6S$
4-Amino-3-hydrazino-5-mercapto-1,2,4-triazole

C_2H_6O
Ethanol absolute
Ethanol

C_2H_6OS
Dimethyl sulphoxide
2-Mercaptoethanol

$C_2H_6O_2$
Ethylene glycol

$C_2H_6O_2S$
Dimethylsulphone

$C_2H_6O_3S$
Dimethyl sulphite

$C_2H_6O_4S$
Dimethyl sulphate

$C_2H_6O_5S_2$
Methanesulphonic anhydride

C_2H_6S
Dimethyl sulphide
Ethanethiol

$C_2H_6S_2$
Dimethyl disulphide
Ethanedithiol-(1,2)

$C_2H_7BF_3N$
Boron trifluoride-ethylamine-complex

$C_2H_7Br_2N$
2-Bromoethylammonium bromide

$C_2H_7ClN_2$
Acetamidinium chloride

$C_2H_7ClN_2O$
Glycinamide hydrochloride

$C_2H_7Cl_2N$
2-Chloroethylammonium chloride

C_2H_7N
Dimethylamine solution
Ethylamine solution

C_2H_7NO
2-Aminoethanol

$C_2H_7NO_2$
Ammonium acetate

$C_2H_7NO_3S$
Taurine

$C_2H_7NO_4S$
2-Aminoethylsulphuric acid

$C_2H_7O_3P$
Dimethyl phosphite

C_2H_8ClN
Ethylammonium chloride

C_2H_8ClNS
Cysteamine hydrochloride

$C_2H_8NO_4P$
Colaminphosphoric acid

$C_2H_8N_2$
1,2-Diaminoethane
1,2-Diaminoethane solution
N,N-Dimethylhydrazine

$C_2H_8N_2O$
2-Hydroxyethylhydrazine

$C_2H_8N_2O_4 \cdot H_2O$
Ammonium oxalate

$C_2H_8N_4O_3$
1-Aminoguanidinium hydrogen carbonate

$C_2H_{10}Cl_2N_2$
N,N'-Dimethylhydrazinium dichloride

$C_2H_{10}NO_2PS_2$
Ammonium-0,0-dimethyl dithiophosphate

$C_2H_{14}N_8O_4S \cdot H_2O$
Aminoguanidinium sulphate monohydrate

$C_2K_2N_2S_3$
Bismuthiol I dipotassium salt

$C_2K_2O_4 \cdot H_2O$
Potassium oxalate monohydrate

$C_2Na_2O_4$
Sodium oxalate

$C_3Br_2F_6$
1,2-Dibromohexafluoropropane

$C_3Cl_2F_4O$
1,3-Dichloro-1,1,3,3-tetrafluoroacetone

$C_3Cl_3F_3O$
1,1,1-Trichloro-3,3,3-trifluoroacetone

$C_3Cl_3NO_2$
Trichloroacetyl *iso*-cyanate

$C_3Cl_3N_3$
Cyanuric chloride

$C_3Cl_3N_3O_3$
Trichloro-*iso*-cyanuric acid

C_3Cl_4
Tetrachlorocyclopropene

C_3Cl_6
Hexachloropropene

C_3Cl_6O
Hexachloroacetone

$C_3D_7F_6O$
Hexafluoro-2-propanol-d_2

$C_3D_4O_4$
Malonic acid-d_4

C_3D_6O
Acetone-d_6

C_3D_7NO
N,N-Dimethylformamide-d_7

C_3D_8O
Propanol-(2)-d_8

C_3F_6
Perfluoropropene

C_3F_7J
Perfluoro-*iso*-propyl iodide
Perfluoro-*n*-propyl iodide

$C_3HCl_2N_3O_3$
Dichlorocyanuric acid

$C_3HF_5O_2$
2,2,3,3,3-Pentafluoropropionic acid

$C_3H_2AgBaO_6P \cdot 2H_2O$
Phosphoenol pyruvate silver-barium sa

$C_3H_2CaO_4$
Calcium malonate

C_3H_2ClN
2-Chloroacrylonitrile

$C_3H_2Cl_2O_2$
Malonyl chloride

$C_3H_2Cl_2O_3$
4,5-Dichloro-1,3-dioxolan-2-one

$C_3H_2Cl_4O_2$
2,2,2-Trichloroethyl chloroformate

$C_3H_2N_2$
Malonic acid dinitrile

$C_3H_2N_2S_2$
Methylene dithiocyanate

$C_3H_2O_2$
Propiolic acid

C_3H_3Br
3-Bromopropene

$C_3H_3BrO_3$
Bromopyruvic acid

$C_3H_3Br_2ClO$
2,3-Dibromopropionyl chloride

$C_3H_3Cl_2NaO_2$
2,2-Dichloropropionic acid sodium salt

$C_3H_3F_3O$
1,1,1-Trifluoroacetone

$C_3H_3F_3O_2$
Methyl trifluoroacetate

C_3H_3N
Acrylonitrile

C_3H_3NO
Pyruvic acid nitrile

$C_3H_3NO_2$
Cyanoacetic acid

$C_3H_3NO_2S$
2,4-Thiazolidinedione

$C_3H_3N_3$
1,3,5-Triazine

$C_3H_3N_3O_2$
6-Azauracil

$C_3H_3N_3O_3$
Cyanuric acid

O_3
ic acid sodium salt

$NO_3P \cdot 2H_2O$
noethyl phosphoric acid barium salt
lrate

ClO_2
moethyl chloroformate

N
mopropionitrile

ibromopropene

O
mopropionyl bromide
ibromopropene-(2)-ol-(1)

$_2O_2$
ibromopropionic acid

N
loropropionitrile

ichloro-1-propene
ichloro-1-propene

$_2O$
loropropionyl chloride
loropropionyl chloride
ichloroacetone

$_2O_2$
ichloropropionic acid
nyl dichloroacetate

O
afluoroethyl methyl ether
,3-Tetrafluoropropanol

azole
ethyleneaminoacetonitrile
zole

$_2O$
noacetamide

$_2OS$
iohydantoin

$_2O_2$
antoin

$_2S$
minothiazole

lein
argyl alcohol

ylic acid

ylene carbonate
vic acid

onic acid

$_6 \cdot H_2O$
oxalic acid monohydrate

Dithiolanethione-(2)

r
nocyclopropane
romopropene

rO
promhydrin

rO_2
romopropionic acid
romopropionic acid
hyl bromoacetate

C_3H_5Cl
Allyl chloride
1-Chloropropene-(1)
2-Chloropropene-(1)

C_3H_5ClO
1-Chloropropanone
Epichlorhydrin

C_3H_5ClOS
S-Ethyl chlorothioformate

$C_3H_5ClO_2$
2-Chloropropionic acid
3-Chloropropionic acid
Ethyl chloroformate
Methyl chloroacetate

$C_3H_5Cl_3$
1,2,3-Trichloropropane

$C_3H_5F_3O_3S$
Ethyl trifluoromethanesulphonate

$C_3H_5KOS_2$
Potassium xanthate

C_3H_5N
Propionitrile

C_3H_5NO
Acrylamide
3-Hydroxypropionitrile
DL-Lactonitrile

C_3H_5NS
Ethyl thiocyanate

$C_3H_5NS_2$
2-Thiazolinethiol-(2)

$C_3H_5NaO_2$
Sodium propionate

$C_3H_5NaO_3$
L-Lactic acid sodium salt
Sodium lactate solution

C_3H_6BrCl
1-Bromo-3-chloropropane

$C_3H_6Br_2$
1,2-Dibromopropane
1,3-Dibromopropane

$C_3H_6Br_2O$
2,3-Dibromopropanol-(1)

C_3H_6ClNO
Dimethylcarbamoyl chloride

$C_3H_6Cl_2$
1,2-Dichloropropane
1,3-Dichloropropane

$C_3H_6Cl_2O$
2,2-Dichloroethyl methyl ether
1,3-Dichloro-2-propanol

$C_3H_6J_2$
1,3-Diiodopropane

$C_3H_6N_2O$
N,N'-Ethyleneurea

$C_3H_6N_2O_2$
D-Cycloserine
Malonamide
N,N'-Methylenediformamide

$C_3H_6N_2O_3$
Hydantoic acid

$C_3H_6N_2S$
2-Aminothiazoline
N,N'-Ethylenethiourea

$C_3H_6N_6$
2,4,6-Triamino-1,3,5-triazine

C_3H_6O
Acetone
Allyl alcohol
Propionaldehyde

$C_3H_6O_2$
1,3 Dioxolane
2,3-Epoxy-1-propanol
Ethyl formate
Hydroxyacetone
Methyl acetate
Propionic acid

$C_3H_6O_2S$
2-Mercaptopropionic acid
3-Mercaptopropionic acid
Methyl thioglycollate

$C_3H_6O_3$
Dimethyl carbonate
D(+)-Glyceraldehyde
L(−)Glyceraldehyde
DL-Glyceraldehyde
3-Hydroxypropionic acid
Lactic acid
L(+)-Lactic acid solution
Methoxyacetic acid
1,3,5-Trioxane

C_3H_6S
Allylmercaptan

C_3H_7Br
1-Bromopropane
2-Bromopropane

C_3H_7BrO
1-Bromo-2-propanol
3-Bromo-1-propanol

C_3H_7Cl
1-Chloropropane
2-Chloropropane

C_3H_7ClO
3-Chloro-1-propanol

$C_3H_7ClO_2$
3-Chloro-1,2-propanediol

C_3H_7J
1-Iodopropane
2-Iodopropane

C_3H_7N
Allylamine
Cyclopropylamine

C_3H_7NO
Acetone oxime
N,N-Dimethylformamide
N-Methylacetamide
Propionamide

$C_3H_7NO_2$
D(−)-Alanine
L(+)-Alanine
DL-Alanine
β-Alanine
2-Nitropropane
iso-Propyl nitrite
Sarcosine
Urethane

$C_3H_7NO_2S$
L(+)-Cysteine

$C_3H_7NO_3$
L(+)-Serine

$(C_3H_7O_2P)_n$
Propanephosphonic acid anhydride solution

$C_3H_8BF_3N$
Boron trifluoride-*iso*-propylamine-complex

$C_3H_8ClNO_2$
Methyl glycinate hydrochloride

$C_3H_8ClNO_2S \cdot H_2O$
L(+)-Cysteine hydrochloride

$C_3H_8N_2O$
N,N'-Dimethylurea
N-Ethylurea

$C_3H_8N_2O_2$
Formamidine acetate

C_3H_8O
Propanol-(1)
Propanol-(2)

$C_3H_8OS_2$
2,3-Dimercaptopropanol-(1)
Methyl methylthiomethyl sulphoxide

$C_3H_8O_2$
Ethylene glycol monomethyl ether
Formaldehyde dimethyl acetal
1,2-Propanediol
1,3-Propanediol

$C_3H_8O_2S$
1-Thioglycerol solution

$C_3H_8O_3$
Glycerol

$C_3H_8O_3S$
Ethyl methanesulphonate

C_3H_8S
1-Propanethiol
2-Propanethiol

$C_3H_8S_2$
1,2-Propanedithiol
1,3-Propanedithiol

$C_3H_9AlO_3$
Aluminium methylate

$C_3H_9BO_3$
Trimethyl borate

C_3H_9ClSi
Chlorotrimethylsilane

C_3H_9ClSn
Trimethyltin chloride

$C_3H_9Cl_2N$
3-Chloropropylamine hydrochloride

C_3H_9JOS
Trimethylsulphoxonium iodure

C_3H_9JS
Trimethylsulphonium iodide

C_3H_9N
n-Propylamine
iso-Propylamine, mono
iso-Propylamine solution
Trimethylamine solution

C_3H_9NO
1-Aminopropanol-(2)
3-Aminopropanol-(1)
2-Methoxyethylamine
N-Methylethanolamine

$C_3H_9NO_3S$
N-Methyltaurine

$C_3H_9N_3Si$
Trimethylsilyl azide

C_3H_9OP
Trimethyl phosphin oxide

$C_3H_9O_3P$
Tris-(hydroxymethyl)-phosphine

$C_3H_9O_4P$
Trimethyl phosphate
Tris-(hydroxymethyl)-phosphinoxide

$C_3H_{10}ClN$
Trimethylammonium chloride

$C_3H_{10}ClN_3$
1,1-Dimethylguanidine hydrochloride
Ethylguanidinium hydrochloride

$C_3H_{10}ClN_3O_3$
Formaldehyde oxime hydrochloride trimer

$C_3H_{10}N_2$
N-Methylethylenediamine
1,2-Propanediamine
1,3-Propanediamine

$C_3H_{12}N_6O_3$
Guanidinium carbonate

C_4ClF_7O
Perfluorobutyryl chloride

$C_4Cl_2F_8$
2,3-Dichlorooctafluorobutane

$C_4Cl_2O_3$
2,3-Dichloromaleic anhydride

$C_4Cl_4N_2$
Tetrachloropyrimidine

C_4Cl_6
Hexachloro-1,3-butadiene

$C_4Cl_6O_3$
Trichloroacetic anhydride

$C_4D_6O_3$
Acetic anhydride-d_6

$C_4D_8O_2$
1,4-Dioxan-d_8

$C_4D_{10}O$
Diethyl ether-d_{10}

$C_4F_6O_3$
Trifluoroacetic anhydride

$C_4F_8J_2$
1,4-Diiodoperfluorobutane

C_4F_9J
Perfluorobutyl iodide

C_4HBr_3S
2,3,5-Tribromothiophene

$C_4HF_6NO_2$
Bis-(trifluoroacetamide)

$C_4HF_7O_2$
Perfluorobutyric acid

C_4HKO_4
Acetylenedicarboxylic acid monopotassium salt

$C_4H_2Br_2O_3$
Mucobromic acid

$C_4H_2Br_2S$
2,5-Dibromothiophene

$C_4H_2Cl_2N_2$
2,4-Dichloropyrimidine
4,6-Dichloropyrimidine

$C_4H_2Cl_2O_2$
Fumaryl chloride

$C_4H_2Cl_2O_3$
Mucochloric acid

$C_4H_2Cl_2S$
2,5-Dichlorothiophene

$C_4H_2F_4O_4$
Perfluorosuccinic acid

$C_4H_2F_7NO$
Perfluorobutyramide

$C_4H_2FeO_4$
Iron(II) fumarate

$C_4H_2N_2$
Fumaronitrile

$C_4H_2Na_2O_4$
Fumaric acid disodium salt
Maleic acid disodium salt

$C_4H_2O_3$
Maleic anhydride

$C_4H_2O_4$
Acetylenedicarboxylic acid

$C_4H_3BrF_4$
4-Bromo-3,3,4,4-tetrafluorobutene-(1)

$C_4H_3BrN_2O_2$
5-Bromouracil

C_4H_3BrS
2-Bromothiophene
3-Bromothiophene

C_4H_3ClS
2-Chlorothiophene

$C_4H_3FN_2O_3$
5'-Fluorouracil

$C_4H_3F_7O$
2,2,3,3,4,4,4-Heptafluoro-1-butanol

C_4H_3JS
2-Iodothiophene

$C_4H_3KO_8 \cdot 2H_2O$
Potassium tetroxalate dihydrate

$C_4H_3NO_2$
Maleimide

$C_4H_3N_3O_4$
5-Nitrouracil

$C_4H_4BrNO_2$
N-Bromosuccinimide

$C_4H_4Br_2Cl_2$
2,3-Dibromo-1,4-dichlorobutene-(2)

$C_4H_4Br_2F_4$
1,4-Dibromo-1,1,2,2-tetrafluorobutane

$C_4H_4Br_2O_4$
2,3-Dibromosuccinic acid

$C_4H_4ClNO_2$
N-Chlorosuccinimide

$C_4H_4Cl_2O_2$
Succinyl dichloride

$C_4H_4Cl_2O_3$
Chloroacetic anhydride

$C_4H_4Cl_2O_4$
meso-2,3-Dichlorosuccinic acid

$C_4H_4JNO_2$
N-Iodosuccinimide

$C_4H_4KNaO_6 \cdot 4H_2O$
Potassium sodium tartrate tetrahydrate

$C_4H_4KO_7Sb \cdot \frac{1}{2}H_2O$
Potassium antimony tartrate

$C_4H_4K_2O_6 \cdot \frac{1}{2}H_2O$
Potassium tartrate

$C_4H_4N_2$
Pyrazine
Pyridazine
Pyrimidine
Succinodinitrile

$C_4H_4N_2O$
4(6)-Hydroxypyrimidine

$C_4H_4N_2OS$
2-Thiouracil

O_2
ihydroxypyrimidine
ic hydrazide
yridazinediol
il

$O_2S \cdot H_2O$
iobarbituric acid

$O_4 \cdot H_2O$
droxybarbituric monohydrate

$O_5 \cdot 4H_2O$
xan tetrahydrate

$_2S$
midinethiol-(2)

$_5O$
aguanine

$a_2O_4 \cdot 6H_2O$
cinic acid disodium salt hexahydrate

$a_2O_6 \cdot 2H_2O$
ium tartrate

n

cinic anhydride

aric acid
eic acid

lacetic acid

ydroxyfumaric acid

phene

rO_2
romo-γ-butyrolactone

rO_3
romo-2-oxobutyric acid

rO_4
mosuccinic acid

IN_3O
ydroxypyrimidine hydrochloride

IN_4
hloro-2,4-diaminopyrimidine

IO
tonoyl chloride

IO_2
l chloroformate

l_2NaO_2
Dichloroisobutyric acid sodium salt

l_3O_2
yl trichloroacetate

$_3OS$
thyl trifluorothioacetate

$_3O_2$
yl trifluoroacetate

O_4
nomethyl malonate potassium salt

O_6
ssium hydrogen tartrate

l cyanide
onitrile
lopropanecarboxylic acid nitrile
hacrylonitrile
ole

$C_4H_5NNa_2O_4 \cdot xH_2O$
Iminodiacetic acid disodium salt

C_4H_5NO
5-Methylisoxazole

$C_4H_5NOS_2$
N-Methylrhodanine

$C_4H_5NO_2$
Methyl cyanoacetate
Succinimide

$C_4H_5NO_3$
N-Hydroxysuccinimide

C_4H_5NS
Allyl *iso*-thiocyanate

$C_4H_5N_3$
2-Aminopyrazine
2-Aminopyrimidine
Iminodiacetonitrile

$C_4H_6N_3O$
Cytosine

$C_4H_5N_3O_2$
4-Aminouracil
5-Aminouracil
2-Methyl-5-nitroimidazole

$C_4H_5N_5O_2$
2,4-Diamino-6-hydroxy-5-nitrosopyrimidine

$C_4H_5NaO_3$
2-Keto butyric acid sodium salt

$C_4H_6BaO_4$
Barium acetate

C_4H_6BrN
4-Bromobutyronitrile

$C_4H_6Br_2$
1,4-Dibromobutene-(2)

$C_4H_6Br_2O$
2-Bromobutyryl bromide
2-Bromo-*iso*-butyryl bromide

$C_4H_6Br_2O_2$
2,3-Dibromobutene-(2)-diol-(1,4)
2,3-Dibromobutyric acid

$C_4H_6CaO_4 \cdot xH_2O$
Calcium acetate

$C_4H_6CdO_4 \cdot 2H_2O$
Cadmium acetate dihydrate

C_4H_6ClN
4-Chlorobutyronitrile

$C_4H_6Cl_2O$
4-Chlorobutyryl chloride

$C_4H_6Cl_2O_2$
Methyl 2,3-dichloropropionate

$C_4H_6Cl_4$
meso-1,2,3,4-Tetrachlorobutane

$C_4H_6CoO_4 \cdot 4H_2O$
Cobalt(II) acetate tetrahydrate

$C_4H_6CuO_4 \cdot H_2O$
Copper(II) acetate monohydrate

$C_4H_6HgO_4$
Mercury(II) acetate

$C_4H_6MgO_4 \cdot 4H_2O$
Magnesium acetate tetrahydrate

$C_4H_6MnO_4 \cdot 4H_2O$
Manganese(II) acetate tetrahydrate

$C_4H_6N_2$
1-Methylimidazole
2-Methylimidazole

$C_4H_6N_2Na_2O_2 \cdot 8H_2O$
Dimethylglyoxime disodium salt octahydrate

$C_4H_6N_2S$
2-Mercapto-1-methylimidazole

$C_4H_6N_4O \cdot H_2O$
2,4-Diamino-6-hydroxypyrimidine monohydrate

$C_4H_6N_4OS$
4,5-Diamino-6-hydroxy-2-mercaptopyrimidine

$C_4H_6N_4O_3$
Allantoin

$C_4H_6N_4S$
4,6-Diamino-2-mercaptopyrimidine

$C_4H_6NiO_4 \cdot 4H_2O$
Nickel(II) acetate tetrahydrate

C_4H_6O
Butyne-(1)-ol-(3) solution
Crotonaldehyde
2,5-Dihydrofuran
Methyl vinyl ketone

$C_4H_6O_2$
3-Butenoic acid
Butyne-(2)-diol-(1,4)
γ-Butyrolactone
Crotonic acid
Cyclopropanecarboxylic acid
Diacetyl
1,2:3,4-Diepoxybutane
Methacrylic acid
Methyl acrylate
Vinyl acetate

$C_4H_6O_2S$
3-Sulpholene

$C_4H_6O_3$
Acetic anhydride
Methyl pyruvate
2-Oxobutyric acid
Propylene carbonate

$C_4H_6O_4$
Methylmalonic acid
Succinic acid

$C_4H_6O_4Pb \cdot 3H_2O$
Lead acetate trihydrate

$C_4H_6O_4Pd$
Palladium(II) acetate

$C_4H_6O_4S$
Mercaptosuccinic acid
2,2'-Thiodiacetic acid

$C_4H_6O_4Sr$
Strontium acetate

$C_4H_6O_4Zn \cdot 2H_2O$
Zinc acetate dihydrate

$C_4H_6O_5$
Malic acid
DL-Malic acid
L(−)-Malic acid

$C_4H_6O_5Zr$
Zirconyl acetate solution

$C_4H_6O_6$
D(−)-Tartaric acid
L(+)-Tartaric acid
DL-Tartaric acid

$C_4H_6O_6 \cdot H_2O$
meso-Tartaric acid monohydrate

$C_4H_6O_6U \cdot 2H_2O$
Uranyl acetate dihydrate

C_4H_7Br
1-Bromobutene-(2)
Bromocyclobutane

$C_4H_7BrO_2$
α-Bromo-*iso*-butyric acid
2-Bromobutyric acid
Ethyl bromoacetate
Methyl DL-2-bromopropionate

$C_4H_7Br_2Cl_2O_4P$
Dibrom

C_4H_7Cl
trans-1-Chloro-2-butene
3-Chloro-1-butene
Methallyl chloride

$C_4H_7ClN_2O$
4-(Hydroxymethyl)-imidazole hydrochloride

C_4H_7ClO
Butyryl chloride
(2-Chlorethyl)vinyl ether
3-Chloro-2-butanone
Isobutyryl chloride

$C_4H_7ClO_2$
4-Chlorobutyric acid
Ethyl chloroacetate
Methyl 2-chloropropionate

$C_4H_7Cl_2O_4P$
Dichlorophos (DDVP)

$C_4H_7Cl_3O \cdot \frac{1}{2}H_2O$
Acetone chloroform

$C_4H_7FO_2$
Ethyl fluoroacetate

$C_4H_7F_3O_2$
Trifluoroacetaldehyde ethyl hemiacetal

C_4H_7N
Butyronitrile
iso-Butyronitrile

C_4H_7NO
3-Methoxypropionitrile
Pyrrolidone-(2)

$C_4H_7NO_2$
Diacetamide
Diacetylmonoxime

$C_4H_7NO_2S$
L(−)-Thiazolidine-4-carboxylic acid

$C_4H_7NO_4$
DL-Aspartic acid
L-Aspartic acid
Iminodiacetic acid

$C_4H_7N_3O$
Creatinine

$C_4H_7N_5$
2,4,6-Triaminopyrimidine

$C_4H_7NaO_3$
4-Hydroxybutyric acid sodium salt

$C_4H_8BF_3O_4$
Boron trifluoride-acetic acid-complex

$C_4H_8Br_2$
1,4-Dibromobutane

C_4H_8ClNOS
DL-Homocysteine thiolactone hydrochloride

$C_4H_8ClN_3O$
Creatinine hydrochloride

$C_4H_8Cl_3O_4P$
Trichlorophon

$C_4H_8CuN_2O_4 \cdot H_2O$
Copper(II) aminoacetate

$C_4H_8N_2$
Lysidine
3-Methylaminopropionitrile

$C_4H_8N_2O$
N-Allylurea
N,N'-Propylene urea

$C_4H_8N_2O_2$
Dimethylglyoxime
Succinamide

$C_4H_8N_2O_3$
Glycylglycine

$C_4H_8N_2O_3 \cdot H_2O$
D-Asparagine monohydrate
L-Asparagine monohydrate

$C_4H_8N_2S$
N-Allylthiourea

$C_4H_8N_3Na_2O_5P \cdot 6H_2O$
Creatinephosphoric acid disodium salt hexahydrate

$C_4H_8N_4O_5S$
4,5-Diamino-6-hydroxypyrimidine sulphate

C_4H_8O
iso-Butyraldehyde
n-Butyraldehyde
Crotyl alcohol
1,2-Epoxybutane
Methyl ethyl ketone
2-Methyl-2-propen-1-ol
Tetrahydrofuran
Vinyl ethyl ether

$C_4H_8O_2$
Butene-(2)-diol-(1,4)
iso-Butyric acid
n-Butyric acid
1,3-Dioxan
1,4-Dioxan
Ethyl acetate
Methyl propionate
n-Propyl formate

$C_4H_8O_2S$
Ethyl thioglycolate
Tetramethylene sulphone

$C_4H_8O_3$
Ethoxyacetic acid
DL-2-Hydroxybutyric acid
2-Hydroxy-*iso*-butyric acid

$C_4H_8O_4$
D-Erythrose

C_4H_8S
Tetrahydrothiophene

$C_4H_8S_2$
1,3-Dithiane

C_4H_9Br
1-Bromobutane
2-Bromobutane
1-Bromo-2-methylpropane
2-Bromo-2-methylpropane

$C_4H_9BrO_2$
Bromoacetaldehyde dimethyl acetal

C_4H_9Cl
1-Chlorobutane
2-Chloro-2-methylpropane

C_4H_9ClO
4-Chloro-1-butanol
1-Chloro-2-methyl-2-propanol

C_4H_9J
1-Iodobutane
2-Iodobutane
1-Iodo-2-methylpropane
2-Iodo-2-methylpropane

C_4H_9KO
Potassium *tert.*-butylate

C_4H_9LiO
Lithium *tert.*-butylate

C_4H_9N
Pyrrolidine

C_4H_9NO
Butyramide
N,N-Dimethylacetamide
N-Ethylacetamide
Morpholine

$C_4H_9NO_2$
2-Acetamidoethanol
DL-2-Aminobutyric acid
DL-3-Aminobutyric acid
4-Aminobutyric acid
tert.-Butyl nitrite
2-Methylalanine

$C_4H_9NO_2S$
DL-Homocysteine

$C_4H_9NO_3$
DL-4-Amino-3-hydroxybutyric acid
DL-Homoserine
L-Homoserine
D(+)-Threonine
DL-Threonine
L(−)-Threonine

$C_4H_9NO_5$
Tris-(hydroxymethyl)-nitromethane

$C_4H_9N_3O_2 \cdot H_2O$
Creatine monohydrate

$C_4H_{10}BF_3O$
Boron trifluoride-diethyl ether-comple

$C_4H_{10}ClNO_2$
Ethyl glycinate hydrochloride
Methyl-L-alaninate hydrochloride

$C_4H_{10}ClNO_3$
L-Serine methyl ester hydrochloride

$C_4H_{10}ClO_2PS$
O,O-Diethyl thiophosphoric acid chlor

$C_4H_{10}Cl_3N$
Bis-(2-chlorethyl)-ammonium chloride

$C_4H_{10}N_2$
Piperazine

$C_4H_{10}N_2O$
N-Nitrosodiethylamine

$C_4H_{10}N_2O_2$
Acetamidinium acetate

$C_4H_{10}O$
Butanol-(1)
Butanol-(2)
iso-Butanol
tert.-Butanol
Diethyl ether

$C_4H_{10}O_2$
tert.-Butyl hydroperoxide
1,3-Butylene glycol
1,4-Butylene glycol
1,2-Dimethoxyethane
Ethylene glycol monoethyl ether

$C_4H_{10}O_2S$
2,2-Thiodiethanol

$C_4H_{10}O_3$
Diethylene glycol
Trimethyl orthoformate

$C_4H_{10}O_4$
meso-Erythritol

$C_4H_{10}O_4S$
Diethyl sulphate

thiol-(1)
thiol-(2)
sulphide
ylpropanethiol-(1)
ylpropanethiol-(2)

oric acid

i
methyltrimethylsilane

N
ro-2-dimethylaminoethane
chloride

lamine
utylamine
lamine

nobutanol-(1)
no-2-methyl-1-propanol
imethylethanolamine
noxypropylamine

$_2$
acetaldehyde dimethyl acetal
no-2-methyl-1,3-propanediol
nolamine

$_3$
ydroxymethyl)-aminomethane

P
yl phosphite

$_4$N
nethylammonium tetrafluoroborate

N
ylammonium chloride
nethylammonium chloride

NO_3
ydroxymethyl)-aminomethane
chloride

NS
ethylaminoethanethiol hydrochloride

N_5
methylbiguanide hydrochloride

N_2O_2
-Diaminobutyryl dihydrochloride

$_2$OP
ox

Dimethylethylenediamine
Dimethylethylenediamine
ylethylenediamine
nethylenediamine

O
Aminoethyl)-ethanolamine

O_6
onium tartrate

methylsilane

methyltin

O
methylammonium hydroxide solution

ylenetriamine

N_2
utanediammonium dichloride

N_2S_2
mine dichloride

$C_4H_{14}NO_2PS_2$
Ammonium-0,0-diethyl dithiophosphate

C_4J_4S
Tetraiodothiophene

$C_4K_2O_9Ti \cdot 2H_2O$
Potassium titanium oxide oxalate dihydrate

C_5Cl_5N
Pentachloropyridine

C_5Cl_6
Hexachlorocyclopentadiene

C_5D_5N
Pyridine-d_5

$C_5D_{12}N_2O$
Tetramethylurea-d_{12}

$C_5H_2F_6O_2$
Hexafluoroacetylacetone

$C_5H_2F_8O_4$
Perfluoroglutaric acid

$C_5H_3BrN_2O_3$
5-Bromo-2-hydroxy-3-nitropyridine

C_5H_3BrOS
5-Bromothiophenecarbaldehyde-(2)

$C_5H_3BrO_3$
5-Bromofuran-2-carboxylic acid

$C_5H_3Br_2N$
2,6-Dibromopyridine

$C_5H_3ClN_2O_2$
2-Chloro-3-nitropyridine

$C_5H_3ClN_4$
6-Chloropurine

C_5H_3ClOS
2-Thiophenecarbonyl chloride

$C_5H_3ClO_2$
2-Furoyl chloride

$C_5H_3Cl_2N$
2,6-Dichloropyridine

$C_5H_3FN_2O_2$
2-Fluoro-5-nitropyridine

$C_5H_3F_3N_2O_2$
N-Trifluoroacetylimidazole

$C_5H_3F_4N$
1-Cyano-2,2,3,3-tetrafluorocyclobutane

C_5H_4BrN
2-Bromopyridine
3-Bromopyridine

C_5H_4BrNO
2-Bromo-3-hydroxypyridine

$C_5H_4Br_2N_2$
2-Amino-3,5-dibromopyridine

C_5H_4ClN
2-Chloropyridine
3-Chloropyridine

C_5H_4ClNO
2-Chloro-3-hydroxypyridine
2-Chloro-6-hydroxypyridine
4-Chloropyridine-N-oxide

C_5H_4FN
2-Fluoropyridine

$C_5H_4N_2O_2$
2-Pyrazinecarboxylic acid

$C_5H_4N_2O_3$
2-Hydroxy-5-nitropyridine
3-Hydroxy-2-nitropyridine
4-Nitropyridine-1-oxide

$C_5H_4N_2O_4$
Orotic acid

$C_5H_4N_2O_4 \cdot H_2O$
Orotic acid monohydrate

$C_5H_4N_4$
Purine

$C_5H_4N_4O$
Hypoxanthine

$C_5H_4N_4O_2$
Xanthine

$C_5H_4N_4O_3$
Uric acid

$C_5H_4N_4S$
6-Mercaptopurine

C_5H_4OS
Thiophenecarbaldehyde-(2)

$C_5H_4O_2$
Furfural

$C_5H_4O_2S$
Thiophene-2-carboxylic acid

$C_5H_4O_3$
Citraconic anhydride
Furan-2-carboxylic acid
Furan-3-carboxylic acid

C_5H_5BrClN
4-Bromopyridine hydrochloride

$C_5H_5ClN_2$
2-Amino-5-chloropyridine
3-Amino-2-chloropyridine

$C_5H_5Cl_2N$
4-Chloropyridinium chloride

$C_5H_5F_3O_2$
Trifluoroacetylacetone

$C_5H_5F_5O_2$
Ethyl perfluoropropionate

C_5H_5N
Pyridine

C_5H_5NO
2-Hydroxypyridine
3-Hydroxypyridine
4-Hydroxypyridine
Pyridine-1-oxide
2-Pyrrolecarbaldehyde

$C_5H_5NO_2$
3-Hydroxypyridine-N-oxide
Pyrrole-2-carboxylic acid

C_5H_5NS
Pyridinethiol-(2)

$C_5H_5N_3O$
Pyrazinecarboxamide

$C_5H_5N_3O_2$
2-Amino-5-nitropyridine
3-Aminopyrazinecarboxylic acid

$C_5H_5N_3O_3S$
2-Acetamido-5-nitrothiazole

$C_5H_5N_5$
Adenine

$C_5H_5N_5O$
Guanine

$C_5H_6Br_2N_2O_2$
1,3-Dibromo-5,5-dimethylhydantoine

C_5H_6ClN
Pyridinium chloride

$C_5H_6ClN_5O$
Guanine hydrochloride

$C_5H_6Cl_2N_2O_2$
1,3-Dichloro-5,5-dimethylhydantoine

$C_5H_6F_4O$
(2H-Perfluoroethyl)-propen-(2)-ylether
2,2,3,3,-Tetrafluorocyclobutylmethanol

$C_5H_6N_2$
2-Aminopyridine
3-Aminopyridine
4-Aminopyridine
Glutarodinitrile
2-Methylpyrazine

$C_5H_6N_2O$
1-Acetylimidazole
2-Amino-3-hydroxypyridine
6-Amino-2-hydroxypyridine

$C_5H_6N_2OS$
4-Methyl-2-thiouracil

$C_5H_6N_2O_2$
6-Methyluracil
Thymine

C_5H_6O
1-Methoxybutene(1)-in-(3) solution
2-Methylfuran

C_5H_6OS
Furanmethanethiol-(2)
2-Hydroxymethylthiophene

$C_5H_6O_2$
α-Angelicalactone
Furfuryl alcohol

$C_5H_6O_3$
Glutaric anhydride

$C_5H_6O_4$
Itaconic acid
Mesaconic acid

$C_5H_6O_5$
2-Ketoglutaric acid

C_5H_6S
2-Methylthiophene
3-Methylthiophene

$C_5H_7BrO_4$
Dimethyl bromomalonate

$C_5H_7ClO_3$
Methyl 2-chloroacetoacetate

C_5H_7N
1-Methylpyrrol

C_5H_7NO
2-Furfurylamine

$C_5H_7NO_2$
Ethyl cyanoacetate

$C_5H_7NO_3$
2-Acetamidoacrylic acid
5-Oxo-L-proline

$C_5H_7N_3$
2-Amino-4(6)-methylpyrimidine
2,3-Diaminopyridine
2,6-Diaminopyridine
3,4-Diaminopyridine

$C_5H_7N_3O$
5-Methylcytosine

$C_5H_7NaO_2$
Sodium acetylacetonate

C_5H_8
Cyclopentene
2-Methylbutadiene-(1,3)
Pentyne-(1)

$C_5H_8Br_2O$
2-Bromoisovaleryl bromide

$C_5H_8Br_2O_2$
Ethyl 2,3-dibromopropionate

$C_5H_8Br_4$
Pentaerythritol tetrabromide

C_5H_8ClN
5-Chloro-*n*-valeronitrile

$C_5H_8FNO_4$
4-Fluoroglutamic acid

$C_5H_8F_4O_2$
Methyl glycol tetrafluoroethyl ether

$C_5H_8NNaO_4 \cdot H_2O$
Sodium-L-glutamate monohydrate

$C_5H_8N_2$
3,5-Dimethylpyrazole
1-Ethylimidazole

$C_5H_8N_2O$
5-Amino-3,4-dimethylisoxazole

$C_5H_8N_2O_2$
5,5-Dimethylhydantoin

C_5H_8O
Cyclopentanone
Cyclopropyl methyl ketone
3,4-Dihydro-2H-pyrane
2-Methyl-3-butyn-2-ol

$C_5H_8O_2$
Acetylacetone
Allyl acetate
Cyclobutanoic acid
Ethyl acrylate
Glutardialdehyde solution
Methyl crotonate
Methyl methacrylate
3-Methyl-2-butenoic acid
iso-Propenyl acetate
Tiglic acid
γ-Valerolactone

$C_5H_8O_3$
Ethyl pyruvate
Levulinic acid
Methyl acetoacetate

$C_5H_8O_4$
Dimethylmalonic acid
Ethylmalonic acid
Glutaric acid
2-Methylsuccinic acid

$C_5H_9BaO_8P \cdot 2H_2O$
D-Ribose-5-phosphoric acid barium salt

C_5H_9Br
5-Bromopentene-(1)
Cyclopentylbromide

$C_5H_9BrO_2$
2-Bromovaleric acid
2-Bromo-*iso*-valeric acid
Ethyl DL-2-bromopropionate
Ethyl 3-bromopropionate
Methyl 2-bromobutyrate

C_5H_9ClO
Pivaloyl chloride
Tetrahydrofurfuryl chloride
Valeryl chloride

$C_5H_9ClO_2$
Butyl chloroformate
iso-Butyl chloroformate
Ethyl 2-chloropropionate
Ethyl 3-chloropropionate
Methyl 4-chlorobutyrate

$C_5H_9KO_6$
D(+)-Arabonic acid potassium salt

C_5H_9N
Pivalonitrile
Valeronitrile
iso-Valeronitrile

C_5H_9NO
Butyl *iso*-cyanate
N-Methylpyrrolidone-(2)

$C_5H_9NO_2$
DL-Proline
L(−)-Proline

$C_5H_9NO_3$
L(−)-4-Hydroxyproline

$C_5H_9NO_3S$
N-Acetyl-L-cysteine

$C_5H_9NO_4$
D(−)-Glutamic acid
DL-Glutamic acid
L(+)-Glutamic acid

C_5H_{10}
Cyclopentane
2-Methylbutene-(1)
Pentene-(1)
Pentene-(2)

$C_5H_{10}AgNS_2$
Silver diethyldithiocarbamate

$C_5H_{10}Br_2$
1,5-Dibromopentane

$C_5H_{10}ClNO$
N,N-Diethylcarbamoyl chloride

$C_5H_{10}ClNO_3$
5-Aminolevulinic acid hydrochloride

$C_5H_{10}ClNO_4$
L(+)-Glutamic acid hydrochloride

$C_5H_{10}Cl_2$
1,3-Dichloro-3-methylbutane
1,5-Dichloropentane

$C_5H_{10}J_2$
1,5-Diiodopentane

$C_5H_{10}NNaS_2 \cdot 3H_2O$
Sodium diethyldithiocarbamate trihy

$C_5H_{10}N_2$
3-Dimethylaminopropionitrile

$C_5H_{10}N_2O_3$
L-Alanylglycine

$C_5H_{10}N_2S_2$
Dazomet

$C_5H_{10}Na_2O_8S_2$
Glutardialdehyde disodium hydroger
sulphite

$C_5H_{10}O$
Cyclopentanol
Diethyl ketone
2-Methylbutene-(3)-ol-(2)
2-Methylbutyraldehyde
Methyl *n*-propyl ketone
Methyl *iso*-propyl ketone
2-Methyltetrahydrofuran
Pivalaldehyde
Tetrahydropyran
iso-Valeraldehyde
n-Valeraldehyde

$C_5H_{10}O_2$
Ethyl propionate
2-Hydroxy-2-methylbutanone-(3)
2-Methoxytetrahydrofuran
Methyl butyrate
Methyl *iso*-butyrate
DL-2-Methylbutyric acid
Tetrahydrofurfuryl alcohol
Valeric acid
iso-Valeric acid

$C_5H_{10}O_2S$
3-Methylsulpholane

yl carbonate
lactate
thoxy-1,4-dioxan

oxy-D-ribose
rol-1-monoacetate

Arabinose
abinose
Arabinose
Lyxose
Ribose
Xylose

F_3N
n trifluoride-piperidine-complex

mo-2,2-dimethylpropane
mo-3-methylbutane
mopentane
mopentane

loropentane

I_2N_3
amine dihydrochloride

do-3-methylbutane
dopentane
dopentane

opentylamine
ridine

O
-Diethylformamide
droxypiperidine
droxypiperidine
droxypiperidine
ethylmorpholine

O_2
Amyl nitrite
Valine
-Valine
aline

O_2S
hyl-L-cysteine
Methionine
-Methionine
lethionine

O_3
Amyl nitrate

O_3S
lethionine sulphoxide
ethionine sulphoxide

O_4S
ethionine sulphone

ane
Pentane
ntane

IN
ridinium chloride

INO_2
l-L-alaninate hydrochloride
l DL-alaninate hydrochloride
le β-alaninate hydrochloride

O_3PS_2
ethoat

$_2$
ethylpiperazine
ethylpiperazine

$_2O$
amethylurea

$C_5H_{12}N_2O_2$
tert.-Butyl carbazate

$C_5H_{12}N_2S$
Tetramethylthiourea

$C_5H_{12}O$
Amyl alcohol
2,2-Dimethylpropanol-(1)
2-Methyl-2-butanol
2-Methylbutanol-(2)
3-Methylbutanol-(1)
3-Methylbutanol-(2)
Pentanol-(1)
Pentanol-(2)
Pentanol-(3)

$C_5H_{12}O_2$
2,2-Dimethoxypropane
2,2-Dimethylpropanediol-(1,3)
Pentanediol-(1,5)

$C_5H_{12}O_3$
Diethylene glycol monomethyl ether
Trimethyl orthoacetate

$C_5H_{12}O_4$
Pentaerythritol
Tetramethyl orthocarbonate

$C_5H_{12}O_5$
Adonitol(ribitol)
D(+)-Arabitol
L(−)-Arabitol
Xylitol

$C_5H_{12}S_2$
1,5-Pentanedithiol

$C_5H_{13}ClN_2O_2$
L(+)-Ornithine monohydrochloride

$C_5H_{13}Cl_2N$
N-(2-Chloropropyl)-N,N-dimethylammonium chloride

$C_5H_{13}N$
N-Methylbutylamine
Neopentylamine
Pentylamine
iso-Pentylamine

$C_5H_{13}NO$
5-Amino-1-pentanol
1-Dimethylaminopropanol-(2)
3-Dimethylaminopropanol-(1)
3-Ethoxypropylamine

$C_5H_{13}NOSi$
N-(Trimethylsilyl)acetamide

$C_5H_{13}NO_2$
N,N-Dimethylformamide dimethyl acetal
N-Methyldiethanolamine

$C_5H_{13}N_3$
N,N,N',N'-Tetramethylguanidine

$C_5H_{14}ClNO$
Choline chloride

$C_5H_{14}ClN_3$
1,1-Diethylguanidine hydrochloride

$C_5H_{14}ClN_3O$
Girard's reagent T

$C_5H_{14}JNO$
Choline iodide

$C_5H_{14}N_2$
3-Dimethylaminopropylamine
Pentamethylenediamine

$C_5H_{15}NO_2$
Choline solution

$C_6BaCl_2O_4 \cdot 3H_2O$
Chloranilic acid barium salt trihydrate

C_6BrF_5
Bromopentafluorobenzene

C_6BrF_{13}
Perfluorohexyl bromide

C_6Br_6
Hexabromobenzene

C_6ClF_5
Chloropentafluorobenzene

C_6ClF_{13}
Perfluorohexyl chloride

$C_6ClF_{13}S$
Perfluorohexanesulphenyl chloride

$C_6Cl_2HgO_4$
Chloranilic acid mercury salt

$C_6Cl_4O_2$
p-Chloranil
o-Chloranil

$C_6Cl_5NO_2$
Quintozene

C_6Cl_5NaO
Sodium pentachlorophenolate

C_6Cl_6
HCB

C_6CrO_6
Chromcarbonyl

C_6D_5Br
Bromobenzene-d_5

$C_6D_5NO_2$
Nitrobenzene-d_5

C_6D_6
Benzene-d_6

C_6D_{12}
Cyclohexane-d_{12}

$C_6D_{18}N_3OP$
Hexamethylphosphoric triamide-d_{18}

C_6F_5J
Pentafluoroiodobenzene

C_6F_6
Hexafluorobenzene

$C_6F_9O_6Tl$
Thallium(III) trifluoroacetate

$C_6F_{10}O_3$
Perfluoropropionic anhydride

C_6F_{12}
Perfluoropropene

$C_6F_{13}J$
Perfluorohexyl iodide

$C_6F_{13}KO_3S$
Perfluorohexanesulphonic acid potassium salt

C_6F_{14}
Perfluorohexane

$C_6HCl_3N_2O_4$
2,4,5-Trichloro-1,3-dinitrobenzene

$C_6HCl_4NO_2$
Tecnazene
2,3,4,5-Tetrachloronitrobenzene
2,3,5,6-Tetrachloronitrobenzene

C_6HCl_5
Pentachlorobenzene

C_6HCl_5O
Pentachlorophenol

C_6HF_5
Pentafluorobenzene

C_6HF_5O
Pentafluorophenol

C_6HF_5S
Pentafluorothiophenol

C_6HF_{13}
1H-Perfluorohexane

$C_6HF_{13}O_3S$
Perfluorohexanesulphonic acid solution

$C_6H_2Br_2ClNO$
2,6-Dibromoquinone-4-chlorimide

$C_6H_2ClF_9O$
(Perfluorobutyl)-acetyl chloride

$C_6H_2Cl_2O_4$
Chloranilic acid

$C_6H_2Cl_3F$
2,4,5-Trichlorofluorobenzene

$C_6H_2Cl_3NO$
2,6-Dichloroquinone-4-chlorimide

$C_6H_2Cl_3NO_2$
2,3,4-Trichloronitrobenzene
2,4,5-Trichloronitrobenzene

$C_6H_2Cl_4$
1,2,3,4-Tetrachlorobenzene

$C_6H_2Cl_4O_2S$
2,4,5-Trichlorobenzenesulphonyl chloride

$C_6H_2Cl_5N$
Pentachloroaniline

$C_6H_2F_2N_2O_4$
1,5-Difluoro-2,4-dinitrobenzene

$C_6H_2F_3NO_2$
2,4,5-Trifluoronitrobenzene

$C_6H_2F_4$
1,2,3,4-Tetrafluorobenzene

$C_6H_2F_5N$
Pentafluoroaniline

$C_6H_3BrClNO_2$
4-Bromo-3-chloronitrobenzene

$C_6H_3BrCl_2$
1-Bromo-3,4-dichlorobenzene

$C_6H_3BrFNO_2$
3-Bromo-4-fluoronitrobenzene

$C_6H_3Br_2F$
Dibromofluorobenzene

$C_6H_3Br_2FO$
2,6-Dibromo-4-fluorophenol

$C_6H_3Br_2NO_2$
2,5-Dibromonitrobenzene

$C_6H_3Br_2NO_3$
2,6-Dibromo-4-nitrophenol

$C_6H_3Br_3$
1,3,5-Tribromobenzene

$C_6H_3Br_3O$
2,4,6-Tribromophenol

$C_6H_3ClFNO_2$
3-Chloro-4-fluoronitrobenzene

$C_6H_3ClN_2O_4$
1-Chloro-2,4-dinitrobenzene

$C_6H_3ClN_2O_4S$
2,4-Dinitrobenzenesulphenyl chloride

$C_6H_3Cl_2J$
2,3-Dichloroiodobenzene
2,4-Dichloroiodobenzene
2,5-Dichloroiodobenzene

$C_6H_3Cl_2NO_2$
2,4-Dichloronitrobenzene
2,5-Dichloronitrobenzene
3,5-Dichloronitrobenzene

$C_6H_3Cl_2NO_3$
2,4-Dichloro-6-nitrophenol
2,6-Dichloro-4-nitrophenol

$C_6H_3Cl_3$
1,2,3-Trichlorobenzene

$C_6H_3Cl_3O$
2,3,4-Trichlorophenol
2,3,5-Trichlorophenol
2,3,6-Trichlorophenol
2,4,6-Trichlorophenol

$C_6H_3Cl_4N$
2,3,4,5-Tetrachloroaniline
2,3,5,6-Tetrachloroaniline

$C_6H_3FN_2O_4$
2,4-Dinitrofluorobenzene

$C_6H_3F_2NO_2$
2,4-Difluoronitrobenzene
2,5-Difluoronitrobenzene

$C_6H_3F_3$
1,2,4-Trifluorobenzene

$C_6H_3F_4N$
2,3,5,6-Tetrafluoroaniline

$C_6H_3JN_2O_4$
2,4-Dinitroiodobenzene

$C_6H_3K_2NO_7S$
2-Hydroxy-5-nitrophenyl sulphate dipotassium salt

$C_6H_3N_3O_7$
Picric acid

$C_6H_4BF_4N_3O_2$
4-Nitrobenzenediazonium tetrafluoroborate

C_6H_4BrCl
2-Bromochlorobenzene
3-Bromochlorobenzene
4-Bromochlorobenzene

C_6H_4BrF
2-Bromofluorobenzene
3-Bromofluorobenzene
4-Bromofluorobenzene

C_6H_4BrJ
4-Bromoiodobenzene

$C_6H_4BrNO_2$
2-Bromonitrobenzene
3-Bromonitrobenzene

$C_6H_4Br_2$
1,2-Dibromobenzene
1,3-Dibromobenzene
1,4-Dibromobenzene

$C_6H_4Br_2N_2O_2$
2,6-Dibromo-4-nitroaniline

$C_6H_4Br_2O$
2,4-Dibromophenol
2,6-Dibromophenol

$C_6H_4Br_3N$
2,4,6-Tribromoaniline

C_6H_4ClF
2-Chlorofluorobenzene
3-Chlorofluorobenzene
4-Chlorofluorobenzene

C_6H_4ClFO
2-Chloro-4-fluorophenol

$C_6H_4ClFO_2S$
4-Fluorobenzenesulphonyl chloride

C_6H_4ClJ
2-Chloroiodobenzene
4-Chloroiodobenzene

$C_6H_4ClJO_2S$
4-Iodobenzenesulphonyl chloride

$C_6H_4ClNO_2$
2-Chloronicotinic acid
1-Chloro-3-nitrobenzene
2-Chloronitrobenzene
4-Chloronitrobenzene

$C_6H_4ClNO_3$
2-Chloro-4-nitrophenol
4-Chloro-2-nitrophenol

$C_6H_4ClNO_4S$
4-Nitrobenzene sulphonylchloride

$C_6H_4ClN_3$
5-Chlorobenzotriazole

$C_6H_4Cl_2$
1,2-Dichlorobenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene

$C_6H_4Cl_2N_2O_2$
Dichloran
2,6-Dichloro-4-nitroaniline
4,5-Dichloro-2-nitroaniline

$C_6H_4Cl_2O$
2,3-Dichlorophenol
2,4-Dichlorophenol
2,5-Dichlorophenol
2,6-Dichlorophenol
3,4-Dichlorophenol
3,5-Dichlorophenol

$C_6H_4Cl_3N$
2,3,4-Trichloroaniline
2,4,5-Trichloroaniline
2,4,6-Trichloroaniline

C_6H_4FJ
2-Fluoroiodobenzene
3-Fluoroiodobenzene
4-Fluoroiodobenzene

$C_6H_4FNO_2$
2-Fluoronitrobenzene
3-Fluoronitrobenzene
4-Fluoronitrobenzene

$C_6H_4FNO_3$
2-Fluoro-6-nitrophenol
3-Fluoro-6-nitrophenol

$C_6H_4FNO_3 \cdot H_2O$
3-Fluoro-4-nitrophenol monohydrate

$C_6H_4F_2$
1,2-Difluorobenzene
1,3-Difluorobenzene
1,4-Difluorobenzene

$C_6H_4F_9J$
1H,1H,2H,2H-Perfluorohexyl iodide

$C_6H_4F_9NO_3$
1H,1H,2H,2H-Perfluorohexyl nitrate

$C_6H_4JNO_2$
2-Iodonitrobenzene
3-Iodonitrobenzene
4-Iodonitrobenzene

$C_6H_4KNO_6S$
4-Nitrophenyl sulphate potassium salt

$C_6H_4NNaO_5S$
Sodium-3-nitrobenzenesulphonate

$C_6H_4N_2$
Pyridinecarbonitrile-(2)
Pyridinecarbonitrile-(3)
Pyridinecarbonitrile-(4)

itrobenzene
itrobenzene
itrobenzene
azinedicarboxylic acid

itrophenol
itrophenol
itrophenol

hydroxypteridine

O_6S_2
nzenedisulphonic acid disodium salt

$O_8S_2 \cdot H_2O$

nzoquinone

3,4-dicarboxylic acid

$2H_2O$
trahydroxybenzoquinone dihydrate

obenzene

H_2O_2
no-4-nitroaniline

nophenol
nophenol
nophenol

nothiophenol

N
bromoaniline
bromoaniline
bromoaniline

obenzene

N
oro-4-fluoroaniline

lg
lmercury chloride

N_2O_2
oro-4-nitroaniline
oro-5-nitroaniline
oro-3-nitroaniline

orophenol
orophenol
orophenol

O_2
ohydroquinone
ororesorcinol

O_2S
enesulphonyl chloride

orothiophenol

N
chloroaniline
chloroaniline
chloroaniline
chloroaniline
chloroaniline
chloroaniline

P
orophenyl phosphine

Si
ltrichlorosilane

C_6H_5F
Fluorobenzene

$C_6H_6FN_2O_2$
4-Fluoro-2-nitroaniline
4-Fluoro-3-nitroaniline

C_6H_5FO
2-Fluorophenol
3-Fluorophenol
4-Fluorophenol

C_6H_5FS
4-Fluorothiophenol

$C_6H_5F_2N$
2,4-Difluoroaniline
2,5-Difluoroaniline

$C_6H_5F_7O_2$
Ethyl perfluorobutyrate

$C_6H_5F_9O$
1H,1H,2H,2H-Perfluorohexanol

C_6H_5J
Iodobenzene

C_6H_5JO
4-Iodophenol

$C_6H_5K_3O_7 \cdot H_2O$
Potassium citrate

C_6H_5NO
Nitrosobenzene
Pyridylaldehyde-(2)
Pyridylaldehyde-(3)
Pyridylaldehyde-(4)

$C_6H_5NO_2$
Nicotinic acid
Nitrobenzene
4-Nitrosophenol
2-Pyridinecarboxylic acid
4-Pyridinecarboxylic acid

$C_6H_5NO_3$
2-Hydroxypyridine-5-carboxylic acid
2-Nitrophenol
3-Nitrophenol
4-Nitrophenol

$C_6H_5NO_4$
4-Nitropyrocatechol

$C_6H_5N_3$
Benzotriazole

$C_6H_5N_3O$
1-Hydroxybenzotriazole

$C_6H_5N_3O_4$
2,4-Dinitroaniline
2,6-Dinitroaniline

$C_6H_5NaO_4S \cdot 2H_2O$
4-Hydroxybenzenesulphonic acid sodium salt dihydrate

$C_6H_5Na_2O_4P \cdot 2H_2O$
di-Sodium phenylphosphate dihydrate

$C_6H_5Na_3O_7 \cdot 2H_2O$
tri-Sodium citrate dihydrate
tri-Sodium-DL-*iso*-citrate dihydrate

$C_6H_5Na_3O_7 \cdot 5{,}5H_2O$
tri-Sodium citrate-5,5-hydrate

C_6H_6
Benzene

$C_6H_6AsNO_6$
2-Nitrophenol-4-arsonic acid

C_6H_6BrN
2-Bromoaniline
3-Bromoaniline
4-Bromoaniline

C_6H_6ClN
2-Chloroaniline
3-Chloroaniline
4-Chloroaniline
2-Chloro-4-methylpyridine
2-Chloro-6-methylpyridine

C_6H_6ClNO
2-Amino-4-chlorophenol
2-Chloro-6-methoxypyridine

$C_6H_6ClNO_2S$
4-Chlorobenzenesulphonamide

$C_6H_6Cl_2N_2$
2,5-Dichlorophenylhydrazine

$C_6H_6Cl_6$
α-HCH
β-HCH
δ-HCH
Lindane

C_6H_6FN
2-Fluoroaniline
3-Fluoroaniline
4-Fluoroaniline

$C_6H_6FNO_2S$
4-Fluorobenzenesulphonamide

$C_6H_6F_6O$
(2H-Perfluoropropyl)-propen-(2)-ylether

C_6H_6JN
2-Iodoaniline
3-Iodoaniline
4-Iodoaniline

$C_6H_6N_2O$
Ethoxymethylene-malonic acid dinitrile
Nicotinamide
iso-Nicotinamide
Pyridine-2-aldoxime
Pyridine-4-aldoxime

$C_6H_6N_2O_2$
2-Nitroaniline
3-Nitroaniline
4-Nitroaniline

$C_6H_6N_2O_3$
2-Amino-4-nitrophenol
2-Amino-5-nitrophenol

$C_6H_6N_2O_2 \cdot 2H_2O$
Imidazole-4-acrylic acid dihydrate

$C_6H_6N_2S$
Thionicotinamide

$C_6H_6N_4O_4$
2,4-Dinitrophenylhydrazine

$C_6H_6Na_2O_7$
di-Sodium hydrogen citrate

C_6H_6O
Phenol

C_6H_6OS
2-Acetylthiophen

$C_6H_6O_2$
Hydroquinone
Pyrocatechol
Resorcinol

$C_6H_6O_3$
3-Hydroxy-2-methyl-1,4-pyrone
Pyrogallol

$C_6H_6O_3 \cdot 2H_2O$
Phloroglucinol dihydrate

$C_6H_6O_3S \cdot H_2O$
Benzenesulphonic acid monohydrate

$C_6H_6O_4$
Dimethyl acetylenedicarboxylate
Kojic acid

$C_6H_6O_6$
trans-Aconitic acid
cis-Aconitine
(±)-*iso*-Citric acid lactone
Dehydroascorbic acid

C_6H_6S
Thiophenol

$C_6H_7AsO_3$
Phenylarsonic acid

$C_6H_7BO_2$
Benzeneboronic acid

$C_6H_7ClN_2$
4-Chloro-1,2-diaminobenzene
4-Chloro-1,3-diaminobenzene

$C_6H_7FN_2$
1,2-Diamino-4-fluorobenzene

$C_6H_7F_3O_3$
Ethyl 4,4,4-trifluoroacetoacetate

$C_6H_7KO_7$
Potassium dihydrogen citrate

C_6H_7N
Aniline
2-Picoline
3-Picoline
4-Picoline

C_6H_7NO
2-Acetylpyrrole
2-Aminophenol
3-Aminophenol
4-Aminophenol
2-Hydroxy-6-methylpyridine
4-(Hydroxymethyl)-pyridine
2-Methoxypyridine
3-Methylpyridine 1-oxide
N-Methylpyrrolaldehyde-(2)
Pyridyl-(2)-methanol
Pyridyl-(3)-methanol

$C_6H_7NO_2$
N-Ethylmaleimide

$C_6H_7NO_2S$
Benzenesulphonamide

$C_6H_7NO_3S$
Metanilic acid
Sulphanilic acid

$C_6H_7NO_3S$
2-Aminophenol-4-sulphonic acid

$C_6H_7N_2NaO_3$
Sodium monoethylbarbiturate

$C_6H_7N_3O$
6-Aminonicotinamide
iso-Nicotinic acid hydrazide

$C_6H_7N_3O_2$
2,5-Diaminonitrobenzene
2-Nitrophenylhydrazine
4-Nitrophenylhydrazine

$C_6H_7N_5$
6-Methylaminopurine

$C_6H_7NaO_7$
Sodium dihydrogen citrate

C_6H_8
1,3-Cyclohexadiene
1,4-Cyclohexadiene

$C_6H_8AsNO_3$
2-Arsanilic acid
4-Arsanilic acid

$C_6H_8BrClN_2$
4-Bromophenylhydrazinium chloride

$C_6H_8Br_2F_4$
1,6-Dibromo-1,1,2,2-tetrafluorohexane

$C_6H_8CaO_6 \cdot 4H_2O$
Calcium-D-saccharate

$C_6H_8ClFN_2$
3-Fluorophenylhydrazinium chloride
4-Fluorophenylhydrazinium chloride

C_6H_8ClN
Aniline chloride

C_6H_8ClNO
4-Aminophenol hydrochloride

$C_6H_8ClN_3O_2$
3-Nitrophenylhydrazinium chloride
4-Nitrophenylhydrazinium chloride

$C_6H_8ClN_3O_4S_2$
3-Chloroaniline-4,6-disulphonamide

$C_6H_8Cl_2N_2$
2-Chlorophenylhydrazinium chloride
3-Chlorophenylhydrazinium chloride
4-Chlorophenylhydrazinium chloride

$C_6H_8Cl_2O_2$
Adipoyl dichloride

$C_6H_8N_2$
Adipodinitrile
2-Amino-3-methylpyridine
2-Amino-4-methylpyridine
2-Amino-5-methylpyridine
2-Amino-6-methylpyridine
1,2-Phenylenediamine
1,3-Phenylenediamine
Phenylhydrazine
3-Picolylamine

$C_6H_8N_2O$
Bis-(2-cyanoethyl)ether

C_6H_8O
2-Cyclohexen-1-one

$C_6H_8O_2$
1,2-Cyclohexanedione
1,4-Cyclohexanedione
2-Methylcyclopentanedione-(1,3)
Sorbic acid

$C_6H_8O_3$
2-Acetylbutyrolactone

$C_6H_8O_4$
Allylmalonic acid
Meldrum's acid

$(C_6H_8O_4)_n$
Ethylene glycol succinate

$C_6H_8O_6$
L(+)-Ascorbic acid
D(+)-Glucuronic acid-γ-lactone

$(C_6H_8O_6)_n$
Alginic acid

$C_6H_8O_7$
Citric acid

$C_6H_8O_7 \cdot H_2O$
Citric acid monohydrate

$C_6H_9ClN_2$
Phenylhydrazinium chloride

$C_6H_9ClN_2O_4S$
2-Chloro-1,4-phenylenediammonium sulphate

C_6H_9ClO
2-Chlorocyclohexanone

$C_6H_9ClO_3$
Ethyl 2-chloroacetoacetate
Ethyl 4-chloroacetoacetate

$C_6H_9D_3NaO_2Si$
3-(Trimethylsilyl)-propionic acid-d_4 s
salt

C_6H_9NO
N-Vinylpyrrolidone-(2)

$C_6H_9NO_2S$
N-Acetyl-DL-homocysteine thiolacto

$C_6H_9NO_6$
IDRANAL® I

$C_6H_9N_3$
2-Amino-4,6-dimethylpyrimidine
3,3'-Iminodipropionitrile

$C_6H_9N_3O_2$
Cupferron
L(-)-Histidine

$C_6H_9NaO_3$
Ethyl acetoacetate, sodium derivativ

$C_6H_9O_6Tl \cdot 1^1/_2\ H_2O$
Thallium(III) acetate sesquihydrate

C_6H_{10}
Cyclohexene
Hexyne-(1)
Hexyne-(2)
Hexyne-(3)

$C_6H_{10}BrNO$
N-Bromocaprolactame

$C_6H_{10}Br_2$
(±)-*trans*-1,2-Dibromocyclohexane

$C_6H_{10}Br_2O$
2-Bromo-2-ethylbutyryl bromide

$C_6H_{10}CaO_4$
Calcium propionate

$C_6H_{10}CaO_6 \cdot xH_2O$
Calcium lactate

$C_6H_{10}ClN_3O_2 \cdot H_2O$
L(+)-Histidine monohydrochloride monohydrate

$C_6H_{10}Cl_2N_2$
1,2-Phenylenediammonium dichloride
1,3-Phenylenediammonium dichloride
1,4-Phenylenediammonium dichloride

$C_6H_{10}Cl_2N_2O$
2,4-Diaminophenol dihydrochloride

$C_6H_{10}FNO_4$
5-Methyl 4-fluoroglutamate

$C_6H_{10}F_4O_2$
Ethylglycol tetrafluoroethyl ether

$C_6H_{10}MnO_6 \cdot 3H_2O$
Manganese(II) lactate trihydrate

$C_6H_{10}N_2O_2$
1,2-Cyclohexanedionedioxime
Sarcosine anhydride

$C_6H_{10}N_2O_4$
Diethyl azodicarboxylate

$C_6H_{10}N_2O_5$
N-(2-Acetamido)-iminodiacetic acid

$C_6H_{10}O$
Allylacetone
Cyclohexanone
Cyclohexene oxide
2-Ethylbuten-(2)-al
2-Hexene-(1)-al
Mesityl oxide
3-Methylpentin-(1)-ol-(3)

ide ether
lactone
ntanecarboxylic acid
otonate
ethacrylate
anedione
3-methylbutenate-2

etoacetate
ic anhydride

cid
oxalate
yl succinate
ethylsuccinic acid
ylglutaric acid

odipropionic acid

MG 40000
MG 70000
MG 110000

yl (+)-tartrate
uconic acid-δ-lactone

H_2O
lacturonic acid monohydrate

cid

disulphide

$_3P$
ose-1-monophosphoric acid barium

ose-6-phosphoric acid barium salt

$_3P \cdot 7H_2O$
se-6-phosphoric acid barium salt

o-1-hexene
exyl bromide

ocaproic acid
tyl bromoacetate
bromobutyrate
bromo-*iso*-butyrate
bromobutyrate

col bromoacetate

exyl chloride

tyl chloroacetate
chlorobutyrate

lohexane

c acid potassium salt

trile
mine

lactam
yl-4-piperidinone
dinecarbaldehyde

lmorpholine
dinecarboxylic acid

rolactame

$C_6H_{11}N_2O_4PS_3$
Methidiathion

$C_6H_{11}NaO_2$
Sodium caproate

$C_6H_{11}NaO_7$
Gluconic acid sodium salt

$C_6H_{11}Na_2O_9P \cdot 4H_2O$
D-Glucose-1-phosphoric acid disodium salt

$C_6H_{11}Na_3O_{12}P_2$
D-Fructose-1,6-diphosphoric acid trisodium salt

C_6H_{12}
Cyclohexane
2,3-Dimethyl-2-butene
3,3-Dimethyl-1-butene
1-Hexene
2-Hexene
cis-2-Hexene
trans-2-Hexene
trans-3-Hexene
Methylcyclopentane
2-Methyl-1-pentene
2-Methyl-2-pentene
3-Methyl-1-pentene
cis-3-Methyl-2-pentene
trans-3-Methyl-2-pentene
3-Methyl-2-pentene
4-Methyl-1-pentene
cis-4-Methyl-2-pentene
trans-4-Methyl-2-pentene

$C_6H_{12}Br_2$
1,6-Dibromohexane

$C_6H_{12}Cl_2$
1,1-Dichloro-3,3-dimethylbutane
1,6-Dichlorohexane

$C_6H_{12}FeN_3O_{12} \cdot 3H_2O$
Ammonium iron(III) oxalate

$C_6H_{12}N_2$
1,4-Diazabicyclo[2,2,2]octane
Diethylaminoacetonitrile

$C_6H_{12}N_2OS$
N-Allyl-N'-(2-hydroxyethyl)thiourea

$C_6H_{12}N_2O_3$
Succinic acid mono-(2,2-dimethylhydrazide)

$C_6H_{12}N_2O_4S_2$
L(−)-Cystine

$C_6H_{12}N_2S_4$
TMTD

$C_6H_{12}N_2S_4Zn$
Ziram

$C_6H_{12}N_4$
Hexamethylenetetramine

$C_6H_{12}O$
Butyl vinyl ether
iso-Butylvinyl ether
Capronaldehyde
Cyclohexanol
Ethyl *iso*-propyl ketone
Hexamethylene oxide
Hexanone-(2)
Hexanone-(3)
2-Hexene-4-ol
5-Hexene-(1)-ol
Methyl *iso*-butyl ketone
1-Methylpentanal

$C_6H_{12}O_2$
n-Butyl acetate
n-Caproic acid
trans-1,2-Cyclohexanediol
cis,trans-1,2-Cyclohexanediol
1,4-Cyclohexanediol
Diacetone alcohol
3,3-Dimethylbutyric acid
Ethyl butyrate
Ethyl *iso*-butyrate
2-Ethylbutyric acid
2-Hydroxymethyltetrahydropyrane
Methyl pivalate
Methyl valerate

$C_6H_{12}O_2S$
2,4-Dimethylsulpholane

$C_6H_{12}O_3$
Acetoacetaldehyde-1-dimethylacetal
cis,trans-2,5-Dimethoxytetrahydrofuran
Paraldehyde

$C_6H_{12}O_4$
D(+)-Digitoxose

$C_6H_{12}O_5$
2-Deoxy-D-glucose
D(+)-Fucose
L(−)-Fucose

$C_6H_{12}O_5 \cdot H_2O$
α-L(+)-Rhamnose monohydrate

$C_6H_{12}O_6$
D-Fructose
D(+)-Galactose
meso-Inositol
D(−)-Mannose
L(−)-Sorbose
D-Tagatose

$C_6H_{12}O_6 \cdot H_2O$
D(+)-Glucose monohydrate

$C_6H_{12}S$
Cyclohexanethiol

$C_6H_{13}Br$
1-Bromohexane
3-Bromohexane

$C_6H_{13}BrO_2$
Bromoacetaldehyde diethyl acetal

$C_6H_{13}Cl$
1-Chlorohexane

$C_6H_{13}ClO$
6-Chloro-1-hexanol

$C_6H_{13}Cl_2N$
N-(2-Chloroethyl)-pyrrolidine hydrochloride

$C_6H_{13}Cl_2NO$
4-(2-Chloroethyl)morpholinium chloride

$C_6H_{13}J$
1-Iodohexane

$C_6H_{13}N$
Cyclohexylamine
Hexamethylenimine
1-Methylpiperidine
2-Methylpiperidine
3-Methylpiperidine
4-Methylpiperidine

$C_6H_{13}NO$
N,N-Diethylacetamide
N-Ethylmorpholine
1-Methyl-3-piperidinol
1-Methyl-4-piperidinol

$C_6H_{13}NO_2$
6-Aminocaproic acid
N-(2-Hydroxyethyl)-morpholine
D(−)-Leucine
L-Leucine
iso-Leucine
(±)-Leucine
(±)-*iso*-Leucine
(±)-Norleucine

$C_6H_{13}NO_2S$
DL-Ethionine

$C_6H_{13}NO_3S$
Cyclohexanesulphamic acid

$C_6H_{13}N_3O_3$
L(+)-Citrulline

$C_6H_{13}N_5O_4$
N^{ω}-Nitro-L-arginine

C_6H_{14}
2,2-Dimethylbutane
2,3-Dimethylbutane
n-Hexane
Hexane
2-Methylpentane
3-Methylpentane

$C_6H_{14}ClNO_2$
L-Valine methyl ester hydrochloride

$C_6H_{14}ClNO_2S$
Methyl L-methioninate hydrochloride

$C_6H_{14}ClNO_5$
D-Galactosamine hydrochloride
α-D(+)-Glucosamine hydrochloride

$C_6H_{14}N_2$
2,5-Dimethylpiperazine

$C_6H_{14}N_2O$
N-(2-Hydroxyethyl)piperazine

$C_6H_{14}N_2O_2 \cdot H_2O$
L(+)-Lysine monohydrate

$C_6H_{14}N_2O_7$
di-Ammonium hydrogen citrate

$C_6H_{14}N_4O_2$
L(+)-Arginine
DL-Arginine

$C_6H_{14}N_8O_6S$
3,4-Diamino-5-hydroxypyrazole sulphate

$C_6H_{14}O$
2,3-Dimethylbutanol-(2)
Di-*iso*-propyl ether
2-Ethylbutanol-(1)
1-Hexanol
2-Hexanol
3-Hexanol
2-Methylpentanol-(2)
2-Methylpentanol-(3)
3-Methylpentanol-(3)
4-Methylpentanol-(1)
4-Methylpentanol-(2)

$C_6H_{14}O_2$
Acetaldehyde diethyl acetal
1,2-Diethoxyethane
2,3-Dimethylbutanediol-(2,3)
Ethylene glycol monobutyl ether
1,6-Hexanediol
2-Methylpentanediol-(2,4)

$C_6H_{14}O_3$
Aldoldimethylacetal
Diethylene glycol dimethyl ether
Diethylene glycol monoethyl ether
Dipropylene glycol
1,2,6-Hexanetriol
2-Hydroxyacetaldehyde diethylacetal
1,1,1-Tris-(hydroxymethyl)-propane

$C_6H_{14}O_4$
Triethylene glycol

$C_6H_{14}O_6$
Dulcitol
D(-)-Mannitol
D(-)-Sorbitol
Sorbitol

$C_6H_{14}S$
1-Hexanethiol

$C_6H_{14}S_2$
1,6-Hexanedithiol

$C_6H_{15}BF_3NO_3$
Boron trifluoride-triethanolamine-complex

$C_6H_{15}BF_4O$
Triethyloxonium tetrafluoroborate

$C_6H_{15}ClN_2O_2$
Carbamoylcholine chloride
L(+)-Lysine monohydrochloride

$C_6H_{15}ClN_4O_2$
D(-)-Arginine monohydrochloride
DL-Arginine monohydrochloride
L(+)-Arginine monohydrochloride

$C_6H_{15}N$
Dipropylamine
Di-*iso*-propylamine
Hexylamine
Triethylamine

$C_6H_{15}NO$
N,N-Diethylethanolamine
2-Dimethylamino-2-methylpropanol-(1)

$C_6H_{15}NO_2$
Aminoacetaldehyde diethyl acetal
N,N-Dimethylacetamide dimethyl acetal
Di-*iso*-propanolamine

$C_6H_{15}NO_3$
Triethanolamine

$C_6H_{15}NO_5S$
N,N-Bis-(2-hydroxyethyl)-2-aminoethanesulphonic acid

$C_6H_{15}O_3P$
Di-*iso*-propyl phosphite
Triethyl phosphite

$C_6H_{15}O_5PS_2$
Demeton-S-methylsulfon

$C_6H_{16}AlNaO_4$
Sodiumaluminiumbis-(2-methoxyethoxy)-dihydride

$C_6H_{16}N_2$
2-Diethylaminoethylamine
Hexamethylenediamine
N,N,N',N'-Tetramethylethylenediamine

$C_6H_{17}N_3$
3,3'-Diaminodipropylamine

$C_6H_{18}N_3OP$
Hexamethylphosphoric triamide

$C_6H_{18}N_4$
Triethylenetetramine

$C_6H_{18}OSi_2$
Hexamethyldisiloxane

$C_6H_{19}NSi_2$
Hexamethyldisilazane

C_6MoO_6
Molybdenumhexacarbonyl

C_6N_4
Tetracyanoethylene

$C_6Na_2O_6$
Sodium rhodizonate

C_7D_8
Toluene-d_8

C_7D_{14}
Methylcyclohexane-d_{14}

C_7F_5N
Pentafluorobenzonitrile

C_7F_5NS
Pentafluorophenyl isothiocyanate

C_7F_{14}
Perfluoromethylcyclohexane

C_7HF_5O
Pentafluorobenzaldehyde

$C_7HF_5O_2$
Pentafluorobenzoic acid

$C_7HF_{13}O_2$
Perfluoroheptanoic acid

$C_7H_2BrF_5$
α-Bromo-2,3,4,5,6-pentafluorotoluene

$C_7H_2ClF_3N_2O_4$
2-Chloro-3,5-dinitrobenzotrifluoride
4-Chloro-3,5-dinitrobenzotrifluoride

$C_7H_2ClN_3O_4$
4-Chloro-3,5-dinitrobenzonitrile

C_7H_3BrFN
3-Bromo-4-fluorobenzonitrile

C_7H_3ClFN
2-Chloro-6-fluorobenzoic acid nitrile

$C_7H_3ClF_3J$
4-Chloro-3-iodobenzotrifluoride

$C_7H_3ClF_3NO_2$
4-Chloro-3-nitrobenzotrifluoride
5-Chloro-2-nitrobenzotrifluoride

$C_7H_3ClN_2O_5$
3,5-Dinitrobenzoyl chloride

$C_7H_3ClN_2O_6$
4-Chloro-3,5-dinitrobenzoic acid

$C_7H_3Cl_2N$
Dichlobenil
2,6-Dichlorobenzonitrile

$C_7H_3Cl_2NO$
3,4-Dichlorophenyl *iso*-cyanate

$C_7H_3Cl_3O$
2,4-Dichlorobenzoyl chloride
3,4-Dichlorobenzoyl chloride

$C_7H_3Cl_4F$
2-Chloro-6-fluorobenzotrichloride

$C_7H_3F_4NO_2$
2-Fluoro-5-nitrobenzotrifluoride

$C_7H_3F_5$
2,3,4,5,6-Pentafluorotoluene

$C_7H_3F_5O$
2,3,4,5,6-Pentafluoroanisole

$C_7H_3F_{13}O$
1H,1H-Perfluoroheptanol

$C_7H_3J_2NO$
Ioxynil

C_7H_4BrClO
2-Bromobenzoyl chloride
3-Bromobenzoyl chloride
4-Bromobenzoyl chloride

C_7H_4BrFO
3-Bromo-4-fluorobenzaldehyde

$C_7H_4BrFO_2$
3-Bromo-4-fluorobenzoic acid

$C_7H_4BrF_3$
2-Bromobenzotrifluoride
3-Bromobenzotrifluoride
4-Bromobenzotrifluoride

C_7H_4BrN
3-Bromobenzonitrile
4-Bromobenzonitrile

$C_7H_4BrNO_3S$
N-Bromosaccharin

rNS
romophenyl *iso*-thiocyanate

$_7O_2$
Dibromobenzoic acid
Dibromo-4-hydroxybenzaldehyde

$_7O_3$
Dibromosalicylic acid

ClFO
hloro-6-fluorobenzaldehyde
luorobenzoyl chloride
luorobenzoyl chloride
luorobenzoyl chloride

ClFO$_2$
hloro-6-fluorobenzoic acid

ClF$_3$
hlorobenzotrifluoride
hlorobenzotrifluoride
hlorobenzotrifluoride

ClHgNaO$_2$
Chloromercuri)benzoic acid sodium salt

ClN
hlorobenzonitrile
hlorobenzonitrile
hlorobenzonitrile

ClNO
hlorophenyl *iso*-cyanate
hlorophenyl *iso*-cyanate

ClNO$_3$
Nitrobenzoyl chloride
Nitrobenzoyl chloride
Nitrobenzoyl chloride

ClNO$_4$
hloro-4-nitrobenzoic acid
hloro-5-nitrobenzoic acid
hloro-2-nitrobenzoic acid
hloro-3-nitrobenzoic acid
Nitrophenyl chloroformate

ClNS
hlorophenyl *iso*-thiocyanate

Cl$_2$O
hlorobenzoyl chloride
hlorobenzoyl chloride
hlorobenzoyl chloride
-Dichlorobenzaldehyde
-Dichlorobenzaldehyde
-Dichlorobenzaldehyde

Cl$_2$O$_2$
-Dichlorobenzoic acid
-Dichlorobenzoic acid
-Dichlorobenzoic acid
-Dichlorobenzoic acid
-Dichlorobenzoic acid

Cl$_3$F
hloro-6-fluorobenzal chloride

Cl$_4$
hlorobenzotrichloride
-Dichlorobenzal chloride

FN
luorobenzonitrile
luorobenzonitrile
luorobenzonitrile

FNO$_3$
luoro-6-nitrobenzaldehyde
luoro-2-nitrobenzaldehyde

FNS
luorophenyl *iso*-thiocyanate

F$_3$NO$_2$
itrobenzotrifluoride
itrobenzotrifluoride

F$_4$
luorobenzotrifluoride

$C_7H_3J_2O_3$
3,5-Diiodo-2-hydroxybenzoic acid

$C_7H_4NNaO_4$
3-Nitrobenzoic acid sodium salt

$C_7H_4N_2O_2$
2-Nitrobenzonitrile
3-Nitrobenzonitrile
4-Nitrobenzonitrile

$C_7H_4N_2O_5$
2,4-Dinitrobenzaldehyde

$C_7H_4N_2O_6$
3,5-Dinitrobenzoic acid
3,4-Dinitrobenzoic acid

$C_7H_4N_2O_7 \cdot H_2O$
3,5-Dinitrosalicylic acid monohydrate

$C_7H_4Na_2O_7S_2 \cdot H_2O$
Benzaldehyde-2,4-disulphonic acid disodium salt dihydrate

$C_7H_5BrClNO_2$
2-Chloro-6-nitrobenzyl bromide

$C_7H_5BrCl_2$
2,6-Dichlorobenzyl bromide

$C_7H_5BrFNO_2$
2-Fluoro-6-nitrobenzyl bromide

C_7H_5BrO
2-Bromobenzaldehyde
3-Bromobenzaldehyde
4-Bromobenzaldehyde

$C_7H_5BrO_2$
2-Bromobenzoic acid
3-Bromobenzoic acid
4-Bromobenzoic acid

$C_7H_5BrO_3$
5-Bromosalicylic acid

$C_7H_5BrO_4$
5-Bromo-2,4-dihydroxybenzoic acid

$C_7H_5Br_2Cl$
2-Chlorobenzal bromide
3-Chlorobenzal bromide
4-Chlorobenzal bromide

$C_7H_5Br_3Hg$
Phenyl-(tribromomethyl)-mercury

$C_7H_5ClFNO_2$
4-Chloro-2-fluoro-5-nitrotoluene

$C_7H_5ClF_3N$
2-Amino-5-chlorobenzotrifluoride

$C_7H_5ClHgO_2$
4-(Chloromercuri)benzoic acid

$C_7H_5ClN_2$
2-Amino-5-chlorobenzonitrile

C_7H_5ClO
Benzoyl chloride
2-Chlorobenzaldehyde
3-Chlorobenzaldehyde
4-Chlorobenzaldehyde

$C_7H_5ClO_2$
2-Chlorobenzoic acid
3-Chlorobenzoic acid
4-Chlorobenzoic acid
Phenyl chloroformate

$C_7H_5ClO_3$
3-Chloro-4-hydroxybenzoic acid
3-Chloroperbenzoic acid

$C_7H_5Cl_2F$
2-Chloro-6-fluorobenzyl chloride
4-Fluorobenzal chloride

$C_7H_5Cl_2NO_2$
3,5-Dichloroanthranilic acid

$C_7H_5Cl_2NS$
Chlorothiamide

$C_7H_5Cl_3$
Benzotrichloride
2,4-Dichlorobenzyl chloride
2,6-Dichlorobenzyl chloride
3,4-Dichlorobenzyl chloride
2,4,5-Trichlorotoluene

C_7H_5FO
2-Fluorobenzaldehyde
3-Fluorobenzaldehyde
4-Fluorobenzaldehyde

$C_7H_5FO_2$
2-Fluorobenzoic acid
3-Fluorobenzoic acid
4-Fluorobenzoic acid

$C_7H_5F_3$
Benzotrifluoride

$C_7H_5F_3N_2O_2$
2-Amino-5-nitrobenzotrifluoride

$C_7H_5F_3O$
2-Hydroxybenzotrifluoride
3-Hydroxybenzotrifluoride

$C_7H_5F_4N$
2-Fluoro-5-aminobenzotrifluoride

$C_7H_5JO_2$
2-Iodobenzoic acid
3-Iodobenzoic acid
4-Iodobenzoic acid

$C_7H_5LiO_2$
Lithium benzoate

C_7H_5N
Benzonitrile

C_7H_5NO
4,5-Benzisoxazole
4-Hydroxybenzonitrile
Phenyl *iso*-cyanate

C_7H_5NOS
2-Mercaptobenzoxazole

$C_7H_5NO_3$
2-Nitrobenzaldehyde
3-Nitrobenzaldehyde
4-Nitrobenzaldehyde

$C_7H_5NO_3S$
Benzenesulphonyl *iso*-cyanate

$C_7H_5NO_4$
2-Nitrobenzoic acid
3-Nitrobenzoic acid
4-Nitrobenzoic acid
2,5-Pyridinedicarboxylic acid
2,6-Pyridinedicarboxylic acid
Quinolinic acid

C_7H_5NS
Benzothiazole
Phenyl *iso*-thiocyanate

$C_7H_5NS_2$
2-Mercaptobenzothiazole

$C_7H_5N_3O_2$
2-Cyano-4-nitroaniline
5-Nitroindazole

$C_7H_5NaO_2$
Sodium benzoate

$C_7H_5NaO_3$
Sodium salicylate

C_7H_6BrCl
2-Chlorobenzyl bromide
3-Chlorobenzyl bromide

C_7H_6BrF
2-Bromo-4-fluorotoluene
2-Bromo-5-fluorotoluene
2-Fluorobenzyl bromide
3-Fluorobenzyl bromide
4-Fluorobenzyl bromide

$C_7H_6BrNO_2$
2-Bromo-4-nitrotoluene
2-Bromo-5-nitrotoluene
2-Bromo-6-nitrotoluene
4-Bromo-2-nitrotoluene
4-Bromo-3-nitrotoluene
4-Nitrobenzyl bromide

$C_7H_6BrNO_3$
2-Bromo-4-nitroanisole
2-Bromo-5-nitroanisole

$C_7H_6Br_2$
Benzal bromide
2-Bromobenzyl bromide
3-Bromobenzyl bromide
4-Bromobenzyl bromide

C_7H_6ClF
2-Chloro-4-fluorotoluene
2-Chloro-5-fluorotoluene
2-Chloro-6-fluorotoluene
3-Chloro-2-fluorotoluene
4-Chloro-2-fluorotoluene
5-Chloro-2-fluorotoluene
5-Chloro-3-fluorotoluene
2-Fluorobenzyl chloride
3-Fluorobenzyl chloride
4-Fluorobenzyl chloride

C_7H_6ClFO
2-Chloro-6-fluorobenzyl alcohol

C_7H_6ClJ
2-Chloro-4-iodotoluene

C_7H_6ClNO
3-Chlorobenzamide

$C_7H_6ClNO_2$
3-Amino-4-chlorobenzoic acid
2-Chloro-4-nitrotoluene
4-Chloro-2-nitrotoluene
5-Chloro-2-nitrotoluene
6-Chloro-2-nitrotoluene
2-Nitrobenzyl chloride
3-Nitrobenzyl chloride

$C_7H_6ClNO_3$
2-Chloro-5-nitroanisole
4-Chloro-3-nitroanisole

$C_7H_6Cl_2$
Benzal chloride
2-Chlorobenzyl chloride
3-Chlorobenzyl chloride
4-Chlorobenzyl chloride
2,4-Dichlorotoluene
2,5-Dichlorotoluene
2,6-Dichlorotoluene
3,4-Dichlorotoluene

$C_7H_6Cl_2O$
2,3-Dichloroanisole
2,6-Dichloroanisole
2,4-Dichlorobenzyl alcohol
2,6-Dichlorobenzyl alcohol
3,4-Dichlorobenzyl alcohol
4,6-Dichloro-o-cresol

$C_7H_6Cl_2O_2S$
3,5-Dichlorophenylmethylsulphone

C_7H_6FJ
4-Fluoro-2-iodotoluene

C_7H_6FNO
2-Fluorobenzamide
3-Fluorobenzamide
4-Fluorobenzamide

$C_7H_6FNO_2$
2-Fluoro-4-nitrotoluene
2-Fluoro-5-nitrotoluene
2-Fluoro-6-nitrotoluene
3-Fluoro-6-nitrotoluene
4-Fluoro-2-nitrotoluene

$C_7H_6F_2$
2,4-Difluorotoluene
2,5-Difluorotoluene

$C_7H_6F_3N$
2-Trifluoromethylaniline
3-Trifluoromethylaniline
4-Trifluoromethylaniline

$C_7H_6JNO_2$
2-Amino-5-iodobenzoic acid
2-Iodo-4-nitrotoluene
2-Iodo-5-nitrotoluene
4-Iodo-2-nitrotoluene
3-Nitrobenzyl iodide

$C_7H_6N_2$
2-Aminobenzonitrile
3-Aminobenzonitrile
4-Aminobenzonitrile
Benzimidazole

$C_7H_6N_2O_4$
2-Amino-4-nitrobenzoic acid
2,3-Dinitrotoluene
2,4-Dinitrotoluene
2,6-Dinitrotoluene
3,4-Dinitrotoluene

$C_7H_6N_2O_5$
2,4-Dinitroanisole
DNOC

$C_7H_6N_2S$
2-Aminobenzothiazole
2-Mercaptobenzimidazole

$C_7H_6N_4O$
1,1'-Carbonyldiimidazole

C_7H_6O
Benzaldehyde

C_7H_6OS
Thiobenzoic acid

$C_7H_6O_2$
Benzoic acid
3-Hydroxybenzaldehyde
4-Hydroxybenzaldehyde
Methyl-1,4-benzoquinone
Salicylaldehyde

$C_7H_6O_2S$
2-Mercaptobenzoic acid

$C_7H_6O_3$
2,3-Dihydroxybenzaldehyde
2,5-Dihydroxybenzaldehyde
3-(2-Furyl)acrylic acid
4-Hydroxybenzoic acid
3,4-Methylenedioxyphenol
Salicylic acid

$C_7H_6O_4$
2,4-Dihydroxybenzoic acid
2,5-Dihydroxybenzoic acid
2,6-Dihydroxybenzoic acid
3,4-Dihydroxybenzoic acid
3,5-Dihydroxybenzoic acid

$C_7H_6O_4 \cdot xH_2O$
Phloroglucinaldehyde

$C_7H_6O_5 \cdot H_2O$
Gallic acid
2,4,6-Trihydroxybenzoic acid monohydrate

$C_7H_6O_6S \cdot 2H_2O$
5-Sulphosalicylic acid dihydrate

$C_7H_7AgO_3S$
4-Toluenesulphonic acid silver salt

C_7H_7Br
Benzyl bromide
2-Bromotoluene
3-Bromotoluene
4-Bromotoluene

C_7H_7BrO
2-Bromoanisole
3-Bromoanisole
4-Bromoanisole
2-Bromobenzyl alcohol

C_7H_7BrS
4-Bromothioanisole

C_7H_7Cl
Benzyl chloride
2-Chlorotoluene
3-Chlorotoluene
4-Chlorotoluene

C_7H_7ClFN
2-Chloro-6-fluorobenzylamine

$C_7H_7ClNNaO_2S \cdot 3H_2O$
Chloramine T

$C_7H_7ClN_2O$
4-Chlorobenzhydrazide

C_7H_7ClO
2-Chloroanisole
3-Chloroanisole
4-Chloroanisole
4-Chlorobenzyl alcohol
4-Chloro-2-methylphenol
4-Chloro-3-methylphenol

$C_7H_7ClO_2S$
4-Toluenesulphonyl chloride

$C_7H_7Cl_2N$
2,4-Dichlorobenzylamine
3,4-Dichlorobenzylamine

C_7H_7F
2-Fluorotoluene
3-Fluorotoluene
4-Fluorotoluene

C_7H_7FO
2-Fluoroanisole
3-Fluoroanisole
4-Fluoroanisole
2-Fluorobenzyl alcohol
3-Fluorobenzyl alcohol
4-Fluorobenzyl alcohol

C_7H_7J
2-Iodotoluene
3-Iodotoluene
4-Iodotoluene

C_7H_7JO
2-Iodoanisole
3-Iodoanisole
4-Iodoanisole

C_7H_7N
2-Vinylpyridine
4-Vinylpyridine

C_7H_7NO
2-Acetylpyridine
3-Acetylpyridine
4-Acetylpyridine
Benzaldehyde oxime
Benzamide

$(C_7H_7NO)_n$
2-Aminobenzaldehyde polymer
3-Aminobenzaldehyde polymer
4-Aminobenzaldehyde polymer

nobenzoic acid
nobenzoic acid
nobenzoic acid
ydroxamic acid
yl nicotinate
otoluene
otoluene
otoluene
ylaldoxime
ylamide

ino-2-hydroxybenzoic acid
oanisole
oanisole
obenzyl alcohol
obenzyl alcohol
obenzyl alcohol
o-o-cresol
o-m-cresol

enzamide

inoindazole
inoindazole
thylbenzotriazole

initrophenyl-4-semicarbazide

Cycloheptatriene
ornadiene-(2,5)
ne

ino-5-bromotoluene

orobenzylamine
orobenzylamine
orobenzylamine
oro-4-methylaniline
oro-5-methylaniline
oro-6-methylaniline
oro-2-methylaniline
oro-4-methylaniline
oro-2-methylaniline
oro-2-methylaniline

oro-o-anisidine

inobenzoic acid hydrochloride

ino-4-fluorotoluene
ino-5-fluorotoluene
ino-2-fluorotoluene
ino-2-fluorotoluene
ino-2-fluorotoluene
robenzylamine
robenzylamine

ino-2-iodotoluene

inobenzamide
hydrazide
nylurea

aminobenzoic acid
aminobenzoic acid
hyl-3-nitroaniline
hyl-4-nitroaniline
hyl-5-nitroaniline
hyl-6-nitroaniline
hyl-2-nitroaniline
hyl-3-nitroaniline
hyl-2-nitroaniline

hoxy-4-nitroaniline

iacetylaminorhodanine

$C_7H_8N_2S$
N-Phenylthiourea

C_7H_8O
Anisole
Benzyl alcohol
o-Cresol
m-Cresol
p-Cresol

$C_7H_8O_2$
2,5-Dihydroxytoluene
2,6-Dihydroxytoluene
Guaiacol
Hydroquinone monomethyl ether
2-Hydroxybenzyl alcohol
4-Hydroxybenzyl alcohol
Resorcinol monomethyl ether

$C_7H_8O_2 \cdot H_2O$
Orcinol monohydrate

$C_7H_8O_3$
Ethyl 2-furancarboxylate
Ethyl 3-furancarboxylate

$C_7H_8O_3S \cdot H_2O$
4-Toluenesulphonic acid monohydrate

$(C_7H_8O_4)_n$
1,3-Propanediol maleinate

C_7H_8S
Benzylmercaptan
Methyl phenyl sulphide
4-Toluenethiol

$C_7H_8S_2$
Dithiol

C_7H_9N
Benzylamine
2-Ethylpyridine
3-Ethylpyridine
4-Ethylpyridine
2,4-Lutidine
2,6-Lutidine
3,4-Lutidine
3,5-Lutidine
N-Methylaniline
o-Toluidine
m-Toluidine
p-Toluidine

C_7H_9NO
2-Acetyl-N-methylpyrrole
2-Amino-p-cresol
4-Amino-o-cresol
4-Amino-m-cresol
5-Amino-o-cresol
6-Amino-m-cresol
2-Anisidine
3-Anisidine
4-Anisidine
2-(2-Hydroxyethyl)pyridine

C_7H_9NOS
2,4-Dimethyl-5-acetylthiazole

$C_7H_9NO_2S$
4-Toluenesulphonamide
Toluenesulphonamide

$C_7H_9N_3O$
1-Phenylsemicarbazide
4-Phenylsemicarbazide

$C_7H_9N_5$
6-Dimethylaminopurine

$C_7H_{10}ClN$
p-Toluidinium chloride

$C_7H_{10}N_2$
4-(Dimethylamino)-pyridine
2-Methyl-1,3-phenylenediamine
4-Methyl-1,2-phenylenediamine

$C_7H_{10}N_2O$
4-Methoxy-m-phenylenediamine

$C_7H_{10}N_2OS$
4-Propyl-2-thiouracil

$C_7H_{10}N_2O_2$
N,N'-Methylenediacrylamide

$C_7H_{10}N_2O_2S$
4-Toluene sulphonhydrazide

$C_7H_{10}N_2O_3$
Ethyl 2-acetamido-2-cyanoacetate

$C_7H_{10}O$
1,2,3,6-Tetrahydrobenzaldehyde

$C_7H_{10}O_2$
Allyl methacrylate
2-Methyl-1,3-cyclohexanedione

$C_7H_{10}O_5$
Dimethyl acetonedicarboxylate

$C_7H_{11}BrO_4$
Diethyl bromomalonate

$C_7H_{11}ClO_4$
Diethyl chloromalonate

$C_7H_{11}FO_4$
Diethyl fluoromalonate

$C_7H_{11}N$
Cyclohexyl isocyanide

$C_7H_{11}NO$
Cyclohexyl isocyanate

$C_7H_{11}NO_2$
Butyl cyanoacetate

C_7H_{12}
Cycloheptene
Heptyne-(1)
Heptyne-(3)

$C_7H_{12}ClN_5$
Simazine

$C_7H_{12}Cl_2N_2O$
4-Methoxy-o-phenylenediammonium chloride

$C_7H_{12}N_2$
N-Butylimidazole
1,5-Diazabicyclo[4.3.0]non-5-ene

$C_7H_{12}O$
Cycloheptanone
Cyclohexanecarbaldehyde
3-Methylcyclohexanone
4-Methylcyclohexanone

$C_7H_{12}O_2$
iso-Butyl acrylate
n-Butyl acrylate
Cyclohexanecarboxylic acid

$C_7H_{12}O_2S_2$
Ethyl 1,3-dithiane-2-carboxylate

$C_7H_{12}O_3$
Ethyl levulinate

$C_7H_{12}O_4$
Butyl malonic acid
Diethyl malonate
Diethylmalonic acid
2,4-Dimethylglutaric acid
Pimelic acid

$C_7H_{12}O_6$
Quinic acid

$C_7H_{12}O_6 \cdot H_2O$
D-Sedoheptulose monohydrate

$C_7H_{13}Br$
Bromocycloheptane

$C_8H_7NO_3S$
4-Toluenesulphonyl *iso*-cyanate

$C_8H_7NO_4$
5-Amino *iso*-phthalic acid
2-Methyl-3-nitrobenzoic acid
3-Methyl-2-nitrobenzoic acid
3-Methyl-4-nitrobenzoic acid
4-Methyl-3-nitrobenzoic acid
5-Methyl-2-nitrobenzoic acid
4-Nitrophenyl acetate
2-Nitrophenylacetic acid
4-Nitrophenylacetic acid

C_8H_7NS
2-Methylbenzothiazole

C_8H_7NSe
2-Methylbenzoselenazole

$C_8H_7N_3O_5$
2,4-Dinitroacetanilide

$C_8H_7NaO_4$
Dehydroacetic acid sodium salt

C_8H_8
1,3,5,7-Cyclooctatetraene
Styrene

$C_8H_8BrCl_2O_3PS$
Bromophos-methyl

C_8H_8BrNO
4-Bromoacetanilide

$C_8H_8BrO_3$
4-Bromomandelic acid

$C_8H_8Br_2$
α,α'-Dibromo-o-xylene
α,α'-Dibromo-m-xylene
α,α'-Dibromo-p-xylene
2,5-Dibromo-p-xylene

C_8H_8ClNO
4-Chloroacetanilide

$C_8H_8ClNO_3S$
4-Acetamido-benzoylsulphochloride

$C_8H_8Cl_2$
α,α'-Dichloro-o-xylene
α,α'-Dichloro-m-xylene
α,α'-Dichloro-p-xylene

$C_8H_8Cl_2O$
2,5-Dichlorophenylmethylcarbinol
2,6-Dichlorophenylmethylcarbinol
3,4-Dichlorophenylmethylcarbinol

$C_8H_8Cl_3O_3PS$
Fenchlorphos

$C_8H_8FNO_2$
4-Fluorophenoxyacetamide
DL-(2-Fluorophenyl)-glycine
D(−)-(4-Fluorophenyl)-glycine
DL(±)-(4-Fluorphenyl)-glycine

$C_8H_8HgO_2$
Phenylmercury acetate
Phenylmercury acetate solution

$C_8H_8N_2$
2-Methylbenzimidazole

$C_8H_8N_2O_3$
4-Nitroacetanilide

$C_8H_8N_2O_4$
2,4-Dinitro-m-xylene

$C_8H_8N_2S$
2-Amino-6-methylbenzothiazole

$C_8H_8N_6O_6 \cdot H_2O$
Murexide

C_8H_8O
Acetophenone
3-Methylbenzaldehyde
4-Methylbenzaldehyde
Phenylacetaldehyde solution
Phenylethylene oxide

$C_8H_8O_2$
2-Anisaldehyde
3-Anisaldehyde
4-Anisaldehyde
Benzyl formate
Furfuralacetone
2-Hydroxyacetophenone
4-Hydroxyacetophenone
Methyl benzoate
2-Methylbenzoic acid
3-Methylbenzoic acid
4-Methylbenzoic acid
Phenyl acetate
Phenylacetic acid

$C_8H_8O_2S$
Phenylmercaptoacetic acid

$C_8H_8O_3$
2,4-Dihydroxyacetophenone
2,5-Dihydroxyacetophenone
2,6-Dihydroxyacetophenone
2-Hydroxy-5-methoxybenzaldehyde
2-Hydroxyphenylacetic acid
4-Hydroxyphenylacetic acid
Mandelic acid
D(−)-Mandelic acid
L(+)-Mandelic acid
2-Methoxybenzoic acid
3-Methoxybenzoic acid
4-Methoxybenzoic acid
Methyl salicylate
Methyl 3-hydroxybenzoate
Methyl 4-hydroxybenzoate
Phenoxyacetic acid
Piperonyl alcohol
Resorcinol monoacetate
cis-1,2,3,6-Tetrahydrophthalic anhydride
Vanillin

$C_8H_8O_4$
Dehydroacetic acid
Vanillic acid

$C_8H_8O_4 \cdot H_2O$
DL-4-Hydroxymandelic acid monohydrate

C_8H_9Br
2-Bromo-m-xylene
3-Bromo-o-xylene
4-Bromo-o-xylene
4-Bromo-m-xylene
1-Ethyl-4-bromobenzene
2-Methylbenzyl bromide
3-Methylbenzyl bromide
4-Methylbenzyl bromide
2-Phenethyl bromide

C_8H_9BrO
2-Bromoethylphenyl ether

$C_8H_9BrO_2$
4 Bromoveratrole

C_8H_9Cl
2-Chloro-p-xylene
4-Chloro-o-xylene
2-Methylbenzyl chloride
3-Methylbenzyl chloride
4-Methylbenzyl chloride

C_8H_9ClO
4-Chloro-2,6-dimethylphenol
4-Chloro-α-methylbenzyl alcohol

C_8H_9F
2,3-Dimethylfluorobenzene
3-Fluoro-1,2-xylene

C_8H_9FO
2-Fluorophenylmethylcarbinol
3-Fluorophenylmethylcarbinol
4-Fluorophenylmethylcarbinol

C_8H_9N
Indoline

C_8H_9NO
Acetanilide
2-Aminoacetophenone
3-Aminoacetophenone
4-Aminoacetophenone
N-Methylformanilide

C_8H_9NOS
4-Acetamidothiophenol

$C_8H_9NO_2$
3-Acetamidophenol
4-Acetamidophenol
4-Aminophenylacetic acid
Ethyl nicotinate
Ethyl *iso*-nicotinate
Ethyl 2-pyridinecarboxylate
Methyl 2-aminobenzoate
Methyl 4-aminobenzoate
2-Nitroethylbenzene
4-Nitroethylbenzene
2-Nitro-m-xylene
3-Nitro-o-xylene
4-Nitro-m-xylene
5-Nitro-m-xylene
D(−)-α-Phenylaminoacetic acid
DL-α-Phenylaminoacetic acid
N-Phenylglycine
Piperonylamine

$C_8H_9NO_3$
N-(4-Hydroxyphenyl)glycine

$C_8H_9NO_4$
4-Nitroveratrole

C_8H_9NS
Thioacetanilide

$C_8H_9N_5$
2-Guanylbenzimidazole

$C_8H_9O_3P$
1-Phenyl-1-vinylphosphonic acid

C_8H_{10}
Ethylbenzene
Xylene
o-Xylene
m-Xylene
p-Xylene

$C_8H_{10}BrN$
4-Bromo-N,N-dimethylaniline

$C_8H_{10}ClNO_2$
5-Chloro-2,4-dimethoxyaniline

$C_8H_{10}ClNO_3$
Pyridoxal hydrochloride

$C_8H_{10}NO_5PS$
Parathion-methyl

$C_8H_{10}NO_6P \cdot H_2O$
Pyridoxal-5'-phosphate

$C_8H_{10}N_2O$
4'-Aminoacetanilide
4-Nitroso-N,N-dimethylaniline

$C_8H_{10}N_2O_3S$
N-Methyl-N-nitroso-p-toluenesulphonar

$C_8H_{10}N_4O_2$
Caffeine

$C_8H_{10}O$
2,3-Dimethylphenol
2,4-Dimethylphenol
2,5-Dimethylphenol
2,6-Dimethylphenol
3,4-Dimethylphenol
3,5-Dimethylphenol
3-Ethylphenol
4-Ethylphenol
2-Methylbenzyl alcohol
3-Methylbenzyl alcohol
Phenetole
1-Phenylethanol
2-Phenylethanol

alcohol
thol
oquinone dimethyl ether
thoxybenzyl alcohol
thoxybenzyl alcohol
noxyethanol
rcinol dimethyl ether
role

imethoxyphenol
imethoxyphenol
catechol mono-(2-hydroxy ethyl)-ether

S
yl-4-toluenesulphonate

yl acetylendicarboxylate

N_2S
nzyl-*iso*-thiouronium chloride

$_3O_6$
-)-*gluco*-Chloralose

N_2
Fluorophenyl)-ethylendiamine

nzylmethylamine
-Collidine
Dimethylaniline
Dimethylaniline
Dimethylaniline
Dimethylaniline
Dimethylaniline
Dimethylaniline
hylaniline
hylaniline
hylaniline
hylaniline
-Methylbenzylamine
α-Methylbenzylamine
-Methylbenzylamine
ethylamine
opylpyridine

O
methylamino) phenol
-Hydroxyethyl)aniline
enetidine
enetidine

O_2
Dimethoxyaniline
Dimethoxyaniline
Dimethoxyaniline
Hexahydrophthalimide

O_3
l ethoxymethylenecyanoacetate

$_2NaO_3$
um diethylbarbiturate

$_5$
enylbiguanid

aO_5
nyl oxalacetate, sodium derivative

octadiene-(1,3)
octadiene-(1,5)
nylcyclohexene

INO_2
eoxypyridoxol hydrochloride
droxytyraminium chloride

$_2$
is(aminomethyl)-benzene
Dimethyl-p-phenylenediamine
Dimethyl-o-phenylenediamine
erodinitrile

$_2O_2$
lene glycol-bis-(2-cyanoethyl ether)

$C_8H_{12}N_2O_3$
5,5-Diethylbarbituric acid

$C_8H_{12}N_2O_3S$
6-Aminopenicillanic acid

$C_8H_{12}N_4$
α,α'-Azo-*iso*-butyronitrile

$C_8H_{12}N_4O_5$
5-Azacytidine

$C_8H_{12}O_2$
Dimedone

$C_8H_{12}O_4$
Diethyl fumarate
Diethyl maleate

$(C_8H_{12}O_4)_n$
1,4-Butanediol succinate
Ethylene glycol adipate

$(C_8H_{12}O_5)_n$
Diethylene glycol succinate

$C_8H_{12}O_6$
1,1,2-Triacetoxyethane

$C_8H_{12}O_8Pb$
Lead(IV) acetate

$C_8H_{12}Sn$
Tetravinyltin

$C_8H_{13}NO_5$
Diethyl formaminomalonate

C_8H_{14}
Cyclooctene
Octyne-(1)
Octyne-(2)
Octyne-(3)
Octyne-(4)

$C_8H_{14}ClN_5$
Atrazin

$C_8H_{14}Cl_2N_2$
N,N-Dimethyl-p-phenylenediamine dihydrochloride

$C_8H_{14}Cl_2N_2O_2 \cdot H_2O$
Pyridoxamine dihydrochloride

$C_8H_{14}N_2O_4$
Di-*iso*-propyl azodicarboxylate

$C_8H_{14}N_8O_8S$
4,5-Diaminouracil sulphate-(5,6)

$C_8H_{14}O$
Cyclooctanone
2,6-Dimethylcyclohexanone
4-Methylheptadiene-(1,6)-ol-(4)

$C_8H_{14}O_2$
Butyl methacrylate
iso-Butyl methacrylate

$C_8H_{14}O_3$
tert.-Butylacetoacetate
Butyric anhydride
iso-Butyric anhydride
2-Ethoxyethyl methacrylate

$C_8H_{14}O_4$
Diethyl methylmalonate
Diethyl succinate
Suberic acid

$C_8H_{14}O_4S_2$
4,4'-Dithiodibutyric acid

$C_8H_{14}O_6$
Diethyl L(+)-tartrate

$C_8H_{15}BrO_2$
2-Bromooctanoic acid

$C_8H_{15}N$
Caprylonitrile

$C_8H_{15}NO$
trans-Tranylcypromine

$C_8H_{15}NO_2$
2-Dimethylaminoethyl methacrylate

$C_8H_{15}NO_3$
N-Acetyl-L-leucine

$C_8H_{15}NO_4$
N-(*tert.*-Butoxycarbonyl)-L-alanine

$C_8H_{15}NO_5$
N-(*tert*-Butoxycarbonyl)-L serine

$C_8H_{15}NO_6$
N-Acetyl-D-galactosamine
N-Acetyl-D-glucosamine

$C_8H_{15}N_5S$
Desmetryn

C_8H_{16}
Cyclooctane
Di-*iso*-butylene
cis, trans-1,2-Dimethylcyclohexane
cis, trans-1,3-Dimethylcyclohexane
cis, trans-1,4-Dimethylcyclohexane
Octene-(1)
2,4,4-Trimethylpentene-(1)
2,4,4-Trimethylpentene-(2)

$C_8H_{16}Br_2$
1,8-Dibromooctane

$C_8H_{16}J_2$
1,8-Diiodooctane

$C_8H_{16}N_2O_3$
DL-Alanyl-DL-norvaline

$C_8H_{16}O$
Caprylaldehyde
Cyclooctanol
2,3-Dimethylcyclohexanol
2,4-Dimethylcyclohexanol
2,6-Dimethylcyclohexanol
3,4-Dimethylcyclohexanol
3,5-Dimethylcyclohexanol
2-Ethylcyclohexanol
3-Hydroxymethylheptene-(3)
2-Methyl-3-heptanone
5-Methyl-3-heptanone
Octanone-(2)
Octanone-(3)

$C_8H_{16}O_2$
1,4-Bis-(hydroxymethyl)-cyclohexane
iso-Butyl-*iso*-butyrate
n-Caprylic acid
Ethyl hexanoate
2-Ethylhexanoic acid
Hexyl acetate
Methyl enanthate
iso-Octanoic acid
Pentyl propionate

$C_8H_{16}O_3$
2,5-Diethoxytetrahydrofuran

$C_8H_{16}O_4$
3-Hydroxybutanone-(2)(dimer)
12-Crown-4
Ethyl diethoxyacetate

$C_8H_{17}Br$
1-Bromooctane

$C_8H_{17}Cl$
1-Chlorooctane

$C_8H_{17}Cl_2N$
1-(3-Chloropropyl)-piperidinium chloride

$C_8H_{17}F$
1-Fluorooctane

$C_8H_{17}J$
1-Iodooctane

$C_8H_{17}N$
N,N-Dimethylcyclohexylamine
N-Ethylcyclohexylamine

$C_8H_{17}NO$
N-(2-Hydroxyethyl)cyclohexylamine

C_8H_{18}
Octane
iso-Octane
n-Octane

$C_8H_{18}BrN$
DL-Coniine hydrobromide

$C_8H_{18}Cl_2Sn$
Dibutyltin dichloride

$C_8H_{18}O$
Di-*n*-butyl ether
2,2-Dimethylhexanol-(3)
2,3-Dimethylhexanol-(3)
2,4-Dimethylhexanol-(3)
2,5-Dimethylhexanol-(2)
2,5-Dimethylhexanol-(3)
3,5-Dimethylhexanol-(3)
2-Ethylhexanol
2-Methyl-2-heptanol
2-Methyl-3-heptanol
2-Methyl-4-heptanol
5-Methyl-3-heptanol
6-Methyl-2-heptanol
6-Methyl-3-heptanol
1-Octanol
2-Octanol
3-Octanol

$C_8H_{18}O_2$
Di-*tert.*-butyl peroxide
2,5-Dimethyl-2,5-hexanediol
Ethylene glycol ethyl-*tert.*-butyl ether
1,8-Octanediol

$C_8H_{18}O_3$
Diethylene glycol diethyl ether
Diethylene glycol monobutyl ether
Triethyl orthoacetate
1,1,2-Triethoxyethane

$C_8H_{18}O_4$
Triethylene glycol dimethyl ether

$C_8H_{18}S$
Di-*tert.*-butyl sulphide
Dibutyl sulphide
1-Octanethiol

$C_8H_{18}S_2$
Di-*tert.*-butyl disulphide

$C_8H_{19}N$
2-Aminooctane
Di-*n*-butylamine
N,N-Di-*iso*-propylethylamine
2-Ethylhexylamine
n-Octylamine

$C_8H_{19}N$
2-Aminooctane
Di-*n*-butylamine
N,N-Di-*iso*-propylethylamine
2-Ethylhexylamine
n-Octylamine

$C_8H_{19}O_2PS_3$
Disulfoton

$C_8H_{20}BrN$
Tetraethylammonium bromide

$C_8H_{20}FN$
Tetraethylammonium fluoride solution

$C_8H_{20}N_2$
1,3-Bis-(dimethylamino)butane
Octamethylenediamine

$C_8H_{20}O_4Si$
Ethyl silicate

$C_8H_{21}NO$
Tetraethylammonium hydroxide solution

$C_8H_{23}N_5$
Tetraethylenepentamine

$C_9F_{17}KO_4$
2,5-Bis-(trifluoromethyl)-perfluoro-3,6-dioxanonanoic acid potassium salt

C_9F_{18}
Perfluoropropene

$C_9F_{18}O_3$
2,5-Bis-(trifluoromethyl)-perfluoro-3,6-dioxanonanoyl fluoride

$C_9Fe_2O_9$
di-Iron-nonacarbonyl

$C_9HF_{17}O_2$
Perfluorononanoic acid

$C_9H_4Cl_3NO_2S$
Folpet

$C_9H_4Cl_6O_2$
Endosulphan lactone

$C_9H_4Cl_8O$
Telodrine

$C_9H_4O_5$
1,2,4-Benzenetricarboxylic acid anhydride-1,2

$C_9H_5BrClNO$
7-Bromo-5-chloro-8-hydroxyquinoline

$C_9H_5Br_2NO$
5,7-Dibromo-8-hydroxyquinoline

C_9H_5ClJNO
5-Chloro-7-iodo-8-hydroxyquinoline

$C_9H_5Cl_2N$
4,7-Dichloroquinoline

$C_9H_5Cl_2NO$
5,7-Dichloro-8-hydroxyquinoline

$C_9H_5Cl_3N_4$
Anilazine

$C_9H_5F_{13}O$
1H,1H,2H,3H,3H-Perfluorononylene oxide-(1,2)

$C_9H_5F_{13}O_2$
Ethyl perfluoroheptanoate

$C_9H_5J_2NO$
5,7-Diiodo-8-hydroxyquinoline

C_9H_6ClN
2-Chloroquinoline

C_9H_6ClNO
5-Chloro-8-hydroxyquinoline

$C_9H_6Cl_6O$
Endosulphan ether

$C_9H_6Cl_6O_3S$
Endosulphan ($\alpha+\beta=2+1$)
α-Endosulphane
β-Endosulphane

$C_9H_6Cl_6O_4S$
Endosulphan sulphate

$C_9H_6Cl_8$
Alodane

$C_9H_6FNO_2$
2-Carboxy-5-fluoroindole

$C_9H_6F_4O_2$
2-Tetrafluoroethoxybenzaldehyde
3-Tetrafluoroethoxybenzaldehyde
4-Tetrafluoroethoxybenzaldehyde

$C_9H_6F_{13}J$
1H,1H,1H,2H,3H,3H-Perfluoro-2-iodononane

$C_9H_6JNO_4S$
7-Iodo-8-hydroxyquinoline-5-sulphor

$C_9H_6N_2O_2$
Toluylene-2,4-diisocyanate

$C_9H_6N_2O_3$
5-Nitro-8-hydroxyquinoline

$C_9H_6O_2$
Indanedione-(1,3)

$C_9H_6O_3$
2-Benzofurancarboxylic acid
4-Hydroxycoumarin

$C_9H_6O_4$
Esculetine
Ninhydrin

$C_9H_6O_6$
1,2,3-Benzenetricarboxylic acid
1,2,4-Benzenetricarboxylic acid
1,3,5-Benzenetricarboxylic acid

C_9H_7ClO
Cinnamoyl chloride

$C_9H_7ClO_2$
trans-2-Chlorocinnamic acid
trans-3-Chlorocinnamic acid
trans-4-Chlorocinnamic acid

$C_9H_7ClO_3$
Acetylsalicyloyl chloride

$C_9H_7Cl_3O_3$
2,4,5-T-methyl ester
2,4,5-TP (Fenoprop)

$C_9H_7FO_2$
trans-2-Fluorocinnamic acid
trans-4-Fluorocinnamic acid

$C_9H_7F_3O$
2-Trifluoromethylacetophenone
4-Trifluoromethylacetophenone

$C_9H_7F_4NO_3$
2-Tetrafluoroethoxy-5-nitrotoluene

C_9H_7N
Cinnamonitrile
Isoquinoline
Quinoline

C_9H_7NO
2-Hydroxyquinoline
4-Hydroxyquinoline
6-Hydroxyquinoline
8-Hydroxyquinoline

$C_9H_7NO_2$
Indole-2-carboxylic acid
Indole-3-carboxylic acid
Indole-5-carboxylic acid

$C_9H_7NO_3$
N-Hydroxymethylphthalimide
2-Nitrocinnamaldehyde
4-Nitrocinnamaldehyde

$C_9H_7NO_4$
trans-2-Nitrocinnamic acid
4-Nitrocinnamic acid

$C_9H_7NO_4S \cdot H_2O$
8-Hydroxyquinoline-5-sulphonic acid

$C_9H_7NaO_3$
Phenylpyruvic acid sodium salt

C_9H_8
Indene

$C_9H_8Br_2O_2$
α,β-Dibromohydrocinnamic acid

C_9H_8ClFO
2-Chloro-6-fluorophenyl acetone

O
roxyquinoline hydrochloride

S
xene hydrochloride

O₃
oproprop
methyl ester

NO₂S
n

O₂
sulphan alcohol

afluoroethoxytoluene
afluoroethoxytoluene
afluoroethoxytoluene

inoquinoline
thylquinoxaline
nylimidazole
nylpyrazole

-Cinnamaldehyde
one-(1)

mic acid
lrocoumarin

tylbenzoic acid
-*cis*-Bicyclo[2,2,1]-heptene-(5)-
oxylicanhydride-(2,3)
-2-Hydroxycinnamic acid
-3-Hydroxycinnamic acid
-4-Hydroxycinnamic acid
ylpyruvic acid

lsalicylic acid
ihydroxycinnamic acid
lroxyphenylpyruvic acid
ylmalonic acid

mo-1-phenyl-1-propen

O
mopropiophenone

O₂
yl bromoacetate

oro-α-methylstyrene

O₂
enoxypropionyl chloride

O₃
A

orophenylacetone
orophenylacetone
oropropiophenone

O₂
2-fluorobenzoate
3-fluorobenzoate
4-fluorobenzoate
oro-4-methoxyacetophenone

NO₂S
trafluoroethyl-N-methylbenzene
onamide

NO₃ · 2H₂O
iiodo-L-tyrosine

thylindole
thylindole
thylindole
ylacetonitrile
ylacetonitrile
ylacetonitrile

C_9H_9NO
5-Methoxyindole

$C_9H_9NO_2$
4-Acetamidobenzaldehyde
2,6-Dimethoxybenzonitrile
3,4-Dimethoxybenzonitrile
Methyl 4-aminocinnamate
5-Nitroindane

$C_9H_9NO_2S$
Toluenesulphonyl-(4)-methyl *iso*-cyanide

$C_9H_9NO_3$
3-Acetamidobenzoic acid
Hippuric acid

$C_9H_9NO_4$
4-Methoxy-3-nitroacetophenone

C_9H_9NS
3-Methylbenzyl thiocyanate

$C_9H_9N_2NaO_3 \cdot H_2O$
4-Aminohippuric acid sodium salt monohydrate

$C_9H_9N_3O$
3-Amino-1-phenyl-5-pyrazolone

$C_9H_9N_3O_2$
Carbendazime (BCM)

$C_9H_9N_3O_2S_2$
N^1-2-Thiazolylsulphanilamide

$C_9H_9N_5$
2,4-Diamino-6-phenyl-1,3,5-triazine

C_9H_{10}
Allylbenzene
Hydrindene
Methylstyrene
α-Methylstyrene
2-Methylstyrene
3-Methylstyrene
4-Methylstyrene

$C_9H_{10}ClNO$
2-Chloro-4-dimethylaminobenzaldehyde

$C_9H_{10}Cl_2N_2O$
Diuron

$C_9H_{10}Cl_2N_2O_2$
Linuron

$C_9H_{10}FNO_2$
2-Fluoro-DL-phenylalanine
3-Fluoro-DL-phenylalanine
4-Fluoro-DL-phenylalanine

$C_9H_{10}JNO_3$
3-Iodo-L-tyrosine

$C_9H_{10}N_2$
4-Dimethylaminobenzonitrile
5,6-Dimethylbenzimidazole
2-Phenylimidazoline

$C_9H_{10}N_2O$
1-Phenylpyrazolidone-(3)

$C_9H_{10}N_2O_3$
4-Aminohippuric acid

$C_9H_{10}O$
Benzyl methyl ketone
Cinnamyl alcohol
Hydrocinnamaldehyde
5-Indanol
4-Methylacetophenone
2-Phenylpropionaldehyde
Propiophenone

$C_9H_{10}O_2$
Benzyl acetate
2,4-Dimethylbenzoic acid
3,4-Dimethylbenzoic acid
3,5-Dimethylbenzoic acid
4-Ethoxybenzaldehyde
Ethyl benzoate
Hydratropic acid
Hydrocinnamic acid
2-Hydroxypropiophenone
4-Hydroxypropiophenone
2-Methoxyacetophenone
3-Methoxyacetophenone
4-Methoxyacetophenone
Methyl 3-methylbenzoate
2-Tolylacetic acid
3-Tolylacetic acid
4-Tolylacetic acid

$C_9H_{10}O_3$
3-Cresoxyacetic acid
2,4-Dihydroxypropiophenone
2,3-Dimethoxybenzaldehyde
2,4-Dimethoxybenzaldehyde
2,5-Dimethoxybenzaldehyde
3,5-Dimethoxybenzaldehyde
Ethyl salicylate
Ethyl 3-hydroxybenzoate
Ethylvanillin
3-(4-Hydroxyphenyl)propionic acid
2-Methoxyphenylacetic acid
3-Methoxyphenylacetic acid
4-Methoxyphenylacetic acid
Methyl 2-methoxybenzoate
2-Phenoxypropionic acid
DL-Tropic acid
Veratraldehyde

$C_9H_{10}O_4$
2,3-Dimethoxybenzoic acid
2,4-Dimethoxybenzoic acid
2,6-Dimethoxybenzoic acid
Homovanillinic acid
Syringaldehyde
Veratric acid

$C_9H_{10}O_5$
4-Hydroxy-3-methoxymandelic acid
Syringic acid

$C_9H_{10}O_3 \cdot 0{,}5H_2O$
DL-Atrolactinic acid hemihydrate

$C_9H_{11}Br$
4-Bromocumene
2-Bromomesitylene
3-Phenylpropyl bromide

$C_9H_{11}BrN_2O_2$
Metobromuron

$C_9H_{11}BrN_2O_5$
5-Bromodeoxyuridine

$C_9H_{11}BrN_2O_6$
5-Bromouridine

$C_9H_{11}BrO$
3-Phenoxypropyl bromide

$C_9H_{11}ClN_2O$
Monuron

$C_9H_{11}ClN_2O_2$
Monolinuron

$C_9H_{11}FN_2O_5$
5-Fluorodeoxyuridine

$C_9H_{11}JN_2O_5$
5-Iodo-2′-deoxyuridine

$C_9H_{11}JN_2O_6$
5-Iodouridine

$C_9H_{11}N$
5-Aminoindane
1,2,3,4-Tetrahydroisoquinoline
1,2,3,4-Tetrahydroquinoline

$C_9H_{11}NO$
4-Dimethylaminobenzaldehyde
N-Methylacetanilide

$C_9H_{11}NO_2$
3-Dimethylaminobenzoic acid
4-Dimethylaminobenzoic acid
Ethyl 2-aminobenzoate
Ethyl 3-aminobenzoate
Ethyl 4-aminobenzoate
Nitromesitylene
D(+)-Phenylalanine
DL-Phenylalanine
L(−)-Phenylalanine

$C_9H_{11}NO_3$
D(+)-Tyrosine
DL-Tyrosine
L(−)-Tyrosine

$C_9H_{11}NO_3 \cdot H_2O$
DL-3-Phenylserine monohydrate

$C_9H_{11}NO_4$
3,4-Dihydroxy-L-phenylalanine
3,4-Dihydroxy-DL-phenylalanine

$C_9H_{11}N_2Na_2O_9P$
Uridine-5'-monophosphoric acid disodium salt

C_9H_{12}
Cumene
2-Ethyltoluene
3-Ethyltoluene
4-Ethyltoluene
Mesitylene
n-Propylbenzene
Pseudocumene

$C_9H_{12}FJN_2O_2$
4-Fluoro-3-nitrophenyltrimethylammonium iodide

$C_9H_{12}FN$
4-Fluoro-2-methyl-N,N-dimethylaniline

$C_9H_{12}NO_5PS$
Fenitrothione

$C_9H_{12}N_2Na_3O_{15}P_3 \cdot 2H_2O$
Uridine-5'-triphosphoric acid trisodium salt

$C_9H_{12}N_2O$
Fenuron

$C_9H_{12}N_2O_5$
2'-Deoxyuridine

$C_9H_{12}N_2O_6$
Uridine

$C_9H_{12}N_3Na_2O_8P$
Cytidine-5'-monophosphoric acid disodium salt

$C_9H_{12}N_3Na_3O_{11}P_2 \cdot 2H_2O$
Cytidine-5'-diphosphoric acid trisodium salt

$C_9H_{12}O$
4-Methylphenylmethylcarbinol
1-Phenylpropanol-(1)
2-Phenylpropanol-(1)
3-Phenylpropanol-(1)
2,3,5-Trimethylphenol
2,3,6-Trimethylphenol

$C_9H_{12}O_2$
Cumene hydroperoxide

$C_9H_{12}O_3$
1,2,3-Trimethoxybenzene
1,2,4-Trimethoxybenzene
1,3,5-Trimethoxybenzene

$C_9H_{12}O_3S$
Ethyl-(4)-toluenesulphonate

$C_9H_{12}O_3S \cdot 2H_2O$
2,4,6-Trimethylbenzenesulphonic acid dihydrate

$C_9H_{13}N$
N-Benzyldimethylamine
N,N-Dimethyl-p-toluidine
N-Ethylbenzylamine
4-*iso*-Propylaniline
2,4,5-Trimethylaniline
2,4,6-Trimethylaniline

$C_9H_{13}NO$
2-Benzylaminoethanol

$C_9H_{13}NO_2$
Veratrylamine

$C_9H_{13}NO_6$
N-(*tert.*-Butoxycarbonyloxy)-succinimide

$C_9H_{13}N_3O_5$
Cytidine

$C_9H_{14}Br_3N$
N-Phenyl-N,N,N-trimethylammonium tribromide

$C_9H_{14}ClN_3O_4$
2'-Deoxycytidinium chloride

$C_9H_{14}N_2$
Azelanitrile

$C_9H_{14}N_3O_8P$
Cytidine monophosphoric acid
Cytidine-2'(3')-monophosphoric acid

$C_9H_{14}N_4O_3$
L(+)-Carnosine

$C_9H_{14}O$
2,6-Dimethyl-2,5-heptadiene-4-one
Isophorone

$C_9H_{14}O_4$
Diethyl cyclopropane-1,1-dicarboxylate

$(C_9H_{14}O_4)_n$
1,5-Pentanediol succinate

$C_9H_{14}O_5$
Diethyl acetone dicarboxylate

$C_9H_{14}O_6$
Diethyl acetoxymalonate
Glycerol triacetate

$C_9H_{15}AlO_9$
Aluminium lactate

$C_9H_{15}NO_2$
Ethyl *sec.*-butylcyanoacetate

$C_9H_{15}NO_5$
Diethyl acetamidomalonate

$C_9H_{16}ClN_5$
Propazine

$C_9H_{16}N_2$
1,5-Diazabicyclo[5.4.0]undec-5-ene

$C_9H_{16}N_2O_5$
N^{α}-(*tert.*-Butoxycarbonyl)-L-asparagine

$C_9H_{16}O_4$
Azelainic acid
Diethyl dimethylmalonate
Diethyl glutarate

$C_9H_{17}BrO_2$
2-Bromononanoic acid
Ethyl 2-bromoheptanoate

$C_9H_{17}NO_5$
D-Pantothenic acid solution

C_9H_{18}
1-Nonene
4-Nonene
1,3,5-Trimethylcyclohexane

$C_9H_{18}Br_2$
1,9-Dibromononane

$C_9H_{18}O$
Amyl *iso*-propyl ketone
Nonanone-(2)
Nonanone-(3)
Nonanone-(5)
iso-Nonylaldehyde
Pelargonaldehyde

$C_9H_{18}O_2$
Methyl caprylate
iso-Nonanoic acid
Pelargonic acid

$C_9H_{19}Br$
1-Bromononane

$C_9H_{19}J$
Iodononane

$C_9H_{19}N$
N-*iso*-Propylcyclohexylamine

C_9H_{20}
Nonane
n-Nonane

$C_9H_{20}ClNO_2$
Butyrylcholine chloride

$C_9H_{20}JNOS$
Butyrylthiocholine iodide

$C_9H_{20}JNO_2$
Butyrylcholine iodide

$C_9H_{20}N_2$
N-Cyclohexyl-1,3-diaminopropane

$C_9H_{20}N_2S$
N,N'-Dibutylthiourea

$C_9H_{20}O$
1-Nonanol
2-Nonanol
4-Nonanol
5-Nonanol
iso-Nonanol

$C_9H_{20}O_3$
Diethylene glycol methyl-*tert.*-butyl
Triethyl orthopropionate

$C_9H_{21}AlO_3$
Aluminiumtri *iso*-propylate

$C_9H_{21}N$
Nonylamine
iso-Nonylamine
Tripropylamine

$C_9H_{21}NO_3$
Tri-*iso*-propanolamine

$C_9H_{22}N_2S_2$
Diethylammonium diethyldithiocarba

$C_9H_{22}O_4P_2S_4$
Ethion

$C_{10}BrF_{21}$
Perfluorodecyl bromide

$C_{10}Cl_{10}$
Dienochlor

$C_{10}D_8$
Naphthalene-d_8

$C_{10}F_{18}$
Perfluorodecahydronaphthalene

$C_{10}F_{21}J$
Perfluorodecyl iodide

$C_{10}HF_{21}$
1H-Perfluorodecane

$C_{10}H_2ClF_{17}O$
(Perfluorooctyl)-acetyl chloride

$C_{10}H_2O_6$
Pyromellitic dianhydride

2H-Perfluorodecene-(1)

hloronaphthoquinone-(1,4)

2H,2H-Perfluorodecyl iodide

nol yellow S

chloro

chloro epoxide

erfluorocaprylate

2H,2H-Perfluorodecanol

R salt

n naphthoquinone-(1,2)-sulphonate-(4)

romonaphthalene

chloronaphthol-(1)

thalmethyl

methionate

itronaphthalene

no-2-hydroxy-1-naphthalenesulphonic
azotized

hthol-3,6-disulphonic acid disodium

otropic acid

phthoquinone
phthoquinone

oxynaphthoquinone-(1,4)
e

phthosultone

ellitic acid

onaphthalene
onaphthalene

onaphthol-(2)

ronaphthalene

NO
loro-6-fluorophenyl)-acetoacetnitrile

onaphthalene

l-1,1,1-trifluoroacetone

naphthalene

$C_{10}H_7NO_2$
1-Nitronaphthalene
2-Nitronaphthalene
1-Nitrosonaphthol-(2)
2-Nitrosonaphthol-(1)
N-Phenylmaleimide
Quinaldic acid

$C_{10}H_7NO_3$
2-Hydroxyquinoline-4-carboxylic acid
Kynurenic acid

$C_{10}H_7N_3S$
Thiabendazole

$C_{10}H_7NaO_3S$
Sodium naphthalenesulphonate-(1)
Sodium naphthalenesulphonate-(2)

$C_{10}H_8$
Azulene
Naphthalene

$C_{10}H_8BrNO_2$
N-(2-Bromoethyl)-phthalimide
5-Bromoindoxyl acetate

$C_{10}H_8BrN_3O$
Bromopyrazone

$C_{10}H_8ClFO_3$
2-(2-Chloro-6-fluorophenyl)-acetoacetic acid

$C_{10}H_8ClN_3O$
Chloridazone

$C_{10}H_8FNO$
2-(2-Fluorophenyl)-acetoacetnitrile
2-(4-Fluorophenyl)-acetoacetnitrile

$C_{11}H_8F_4O_3$
Methyl 4-tetrafluoroethoxybenzoate

$C_{10}H_8NNaO_7S_2$
8-Amino-1-naphthol-3,6-disulphonic acid
monosodium salt

$C_{10}H_8N_2$
2,2'-Bipyridine
4,4'-Bipyridine
Indole-3-acetonitrile
o-Xylylene dicyanide
m-Xylylene dicyanide

$C_{10}H_8N_2O_4$
α-Furildioxime

$C_{10}H_8N_4O_5$
Picrolonic acid

$C_{10}H_8NaO_4P$
Sodium naphthyl-1-phosphate

$C_{10}H_8O$
Naphthol-(1)
Naphthol-(2)

$C_{10}H_8O_2$
6-Methylcoumarin
1,3-Naphthalenediol
1,4-Naphthalenediol
1,5-Naphthalenediol
Naphthalenediol-1,6
Naphthalenediol-1,7
2,3-Naphthalenediol
Naphthalenediol-(2,6)
2,7-Naphthalenediol

$C_{10}H_8O_3$
6-Hydroxy-4-methylcoumarin
4-Methylumbelliferone

$C_{10}H_8O_4$
5,7-Dihydroxy-4-methylcoumarin

$(C_{10}H_8O_4)_n$
Ethylene glycol isophthalate

$C_{10}H_9ClN_2$
4-Pyridylpyridinium chloride

$C_{10}H_9Cl_3O_3P$
Tetrachlorvinphos

$C_{10}H_9FO_3$
3-(4-Fluorobenzoyl)-propionic acid
2-(2-Fluorophenyl)-acetoacetic acid
2-(4-Fluorophenyl)-acetoacetic acid

$C_{10}H_9N$
3-Methyl *iso*-quinoline
6-Methylquinoline
8-Methylquinoline
Naphthylamine-(1)
Quinaldine

$C_{10}H_9NO$
3-Acetylindole
1-Amino-7-naphthol
2-Hydroxy-4-methylquinoline
8-Hydroxyquinaldine

$C_{10}H_9NO_2$
3-Indolyl acetate
Indolyl-3-acetate
Indolyl-3-acetic acid

$C_{10}H_9NO_3$
5-Hydroxyindol-3-yl acetic acid

$C_{10}H_9NO_3S$
4-Amino-1-naphthalenesulphonic acid
5-Amino-1-naphthalenesulphonic acid
7-Amino-1-naphthalenesulphonic acid

$C_{10}H_9NO_4S$
1-Amino-2-hydroxy-4-naphthalenesulphonic acid
6-Amino-1-hydroxy-3-naphthalenesulphonic acid

$C_{10}H_9NO_6S_2$
3,6-Amino-1-naphthalenedisulphonic acid

$C_{10}H_9N_3$
2,2'-Dipyridylamine

$C_{10}H_{10}$
Divinylbenzene solution

$C_{10}H_{10}ClFO$
ω-Chloro-4-fluorobutyrophenone

$C_{10}H_{10}Cl_2O_2$
Chlorophenprop-methyl

$C_{10}H_{10}Cl_2O_3$
2,4-DB
Dichloroprop-methyl ester

$C_{10}H_{10}Fe$
Ferrocene

$C_{10}H_{10}N_2$
4-Aminoquinaldine
Naphthalenediamine-(1,5)
Naphthalenediamine-(1,8)

$C_{10}H_{10}N_2O$
1-Phenyl-3-methylpyrazolone-(5)

$C_{10}H_{10}O$
Benzylideneacetone
α-Tetralone

$C_{10}H_{10}O_2$
Benzoylacetone
Methyl cinnamate
Safrole

$C_{10}H_{10}O_3$
3-Benzoylpropionic acid
trans-2-Methoxycinnamic acid
trans-3-Methoxycinnamic acid
trans-4-Methoxycinnamic acid

$C_{10}H_{10}O_4$
Benzylmalonic acid
Dimethyl phthalate
Dimethyl terephthalate
Dimethyl *iso*-phthalate
4-Hydroxy-3-methoxycinnamic acid
DL-Phenylsuccinic acid

$C_{10}H_{11}ClO$
ω-Chlorobutyrophenone
4-Chlorobutyrophenone
2-Phenylbutyryl chloride

$C_{10}H_{11}ClO_3$
MCPA-methyl ester
Mecoprop

$C_{10}H_{11}FO_3$
4-(3-Fluoro-4-hydroxyphenyl)butyric acid

$C_{10}H_{11}F_3N_2O$
Fluomethuron

$C_{10}H_{11}N$
1,2-Dimethylindole
2-Phenylbutyronitrile
4-Phenylbutyronitrile

$C_{10}H_{11}NO$
Indole-3-ethanol

$C_{10}H_{11}NO_2$
Acetoacetanilide
Veratryl cyanide

$C_{10}H_{11}NO_3$
3,4,5-Trimethoxybenzonitrile

$C_{10}H_{11}NO_4$
N-Benzyloxycarbonylglycine

$C_{10}H_{11}N_3O_2$
Neocupferron

$C_{10}H_{11}N_4Na_2O_8P \cdot 8H_2O$
Inosine-5'-phosphoric acid disodium salt

$C_{10}H_{11}N_4Na_3O_{11}P_2$
Inosine-5'-diphosphate trisodium salt

$C_{10}H_{12}$
Dicyclopentadiene
2,6-Dimethylstyrene
1,2,3,4-Tetrahydronaphthalene

$C_{10}H_{12}BrCl_2O_3PS$
Bromophos-ethyl

$C_{10}H_{12}ClNO_2$
Chloropropham

$C_{10}H_{12}K_2MgN_2O_8 \cdot 2H_2O$
Magnesium-IDRANAL®

$C_{10}H_{12}N_2Na_2O_8Zn \cdot 4H_2O$
Zinc-IDRANAL®

$C_{10}H_{12}N_2Na_4O_8 \cdot nH_2O$
Ethylenediaminetetraacetic acid tetrasodium salt

$C_{10}H_{12}N_2O$
2-(3-Hydroxypropyl)benzimidazole

$C_{10}H_{12}N_2O_5$
Dinoseb

$C_{10}H_{12}N_3O_3PS_2$
Azinphos-methyl

$C_{10}H_{12}N_4O_4$
2'-Deoxyinosine

$C_{10}H_{12}N_4O_5$
Inosine

$C_{10}H_{12}N_4O_6$
Xanthosine

$C_{10}H_{12}N_5Na_2O_8P$
Guanosine-2'(3')-phosphate disodium salt

$C_{10}H_{12}N_5Na_2O_8P \cdot 2H_2O$
Guanosine-5'-monophosphoric acid disodium salt

$C_{10}H_{12}N_5Na_3O_{11}P_2$
Guanosine-5'-diphosphoric acid trisodium salt

$C_{10}H_{12}N_5O_6P$
Adenosine-3',5'-cyclophosphoric acid

$C_{10}H_{12}N_{10}O_4S$
Adenine sulphate

$C_{10}H_{12}O$
Benzylacetone
Butyrophenone
Ethyl benzyl ketone
3-Methylpropiophenone
4-Propylbenzaldehyde
4-*iso*-Propylbenzaldehyde
α-Tetralol
2,4,6-Trimethylbenzaldehyde

$C_{10}H_{12}O_2$
Ethyl phenylacetate
4-Methoxypropiophenone
2-Phenylbutyric acid
3-Phenylbutyric acid
4-Phenylbutyric acid
Tetramethyl-1,4-benzoquinone
2,4,6-Trimethylbenzoic acid

$C_{10}H_{12}O_3$
2,4-Dimethoxyacetophenone
Ethyl mandelate
Propyl 4-hydroxybenzoate

$C_{10}H_{12}O_4$
3,4-Dimethoxyphenylacetic acid
2,4,6-Trimethoxybenzaldehyde

$C_{10}H_{12}O_5$
Propyl gallate
3,4,5-Trimethoxybenzoic acid

$C_{10}H_{12}O_6$
Dimethyl 2,5-dioxo-1,4-cyclohexanedicarboxylate

$C_{10}H_{13}BrN_2O_3$
iso-Propyl-β-bromallylbarbituric acid

$C_{10}H_{13}Cl$
2-Chloromethyl-2-phenylpropane

$C_{10}H_{13}ClN_2$
Chlorodimeform

$C_{10}H_{13}ClN_2O$
Chlorotoluron

$C_{10}H_{13}ClN_2O_2$
Methoxuron

$C_{10}H_{13}ClO$
4-Chlorothymol

$C_{10}H_{13}Cl_2O_3PS$
Dichlofenthion

$C_{10}H_{13}N$
5-Amino-1,2,3,4-tetrahydronaphthalene

$C_{10}H_{13}NO$
2-Phenylbutyramide

$C_{10}H_{13}NO_2$
Butyl nicotinate
Phenacetin
Propham (IPC)

$C_{10}H_{13}NO_2S$
S-Benzyl-L-cysteine

$C_{10}H_{13}NO_3$
α-Methyl-DL-tyrosine

$C_{10}H_{13}N_2Na_3O_8$
Ethylenediaminetetraacetic acid trisodium salt

$C_{10}H_{13}N_5O_3 \cdot H_2O$
2'-Deoxyadenosine

$C_{10}H_{13}N_5O_4$
Adenosine
2'-Deoxyguanosine

$C_{10}H_{13}N_5O_5$
Guanosine

$C_{10}H_{14}$
Butylbenzene
sec.-Butylbenzene
tert.-Butylbenzene
p-Cymene
1,2-Diethylbenzene
1,3-Diethylbenzene
1,2,4,5-Tetramethylbenzene

$C_{10}H_{14}ClNO_2$
Methyl L-phenylalaninate hydrochloric

$C_{10}H_{14}ClNO_3$
Methyl-L-tyrosinate hydrochloride

$C_{10}H_{14}Cl_2N_2$
Chlorodimeform hydrochloride

$C_{10}H_{14}CoO_4$
Cobalt(II) acetylacetonate

$C_{10}H_{14}CuO_4$
Copper(II) acetylacetonate

$C_{10}H_{14}FeO_4$
Iron(II) acetylacetonate

$C_{10}H_{14}K_2N_2O_8 \cdot 2H_2O$
Ethylenediaminetetraacetic acid dipotassium salt dihydrate

$C_{10}H_{14}MgO_4$
Magnesium acetylacetonate

$C_{10}H_{14}MnO_4$
Manganese(II) acetylacetonate

$C_{10}H_{14}MoO_6$
Molybdenyl acetylacetonate

$C_{10}H_{14}NO_5PS$
Parathion-ethyl

$C_{10}H_{14}NO_6P$
Paraoxon

$C_{10}H_{14}N_2$
Nicotine

$C_{10}H_{14}N_2Na_2O_8 \cdot 2H_2O$
Ethylenediaminetetraacetic acid disodi
salt dihydrate
IDRANAL® III

$C_{10}H_{14}N_2O$
4-Nitroso-N,N-diethylaniline

$C_{10}H_{14}N_2O_5$
Thymidine

$C_{10}H_{14}N_5Na_2O_{13}P_3$
Adenosine-5'-triphosphoric acid disodi
salt

$C_{10}H_{14}N_5O_7P$
Adenosine-2'-monophosphoric acid
Adenosine-3'-monophosphoric acid

$C_{10}H_{14}NiO_4$
Nickel(II) acetylacetonate

$C_{10}H_{14}O$
2-*sec.*-Butylphenol
2-*tert.*-Butylphenol
4-*tert.*-Butylphenol
4-*sec.*-Butylphenol
2,6-Dimethyl-α-methylbenzyl alcohol
Thymol

$C_{10}H_{14}O_2$
4-*tert.*-Butylpyrocatechol
Phenylacetaldehyde dimethyl acetal

ene glycol dimethacrylate

,Pd
dium(II) acetylacetonate

,Zn
II) acetylacetonate

,Ti · H_2O
yl acetylacetonate monohydrate

,V
dium(IV) oxide acetylacetonate

r
omoadamantane

rO
-Bromocamphor

$rO_4S \cdot H_2O$
-Bromocamphor-8-sulphonic acid
ohydrate
-Bromocamphor-10-sulphonic acid
ohydrate

-Butylaniline
Diethylaniline

O
toxyaniline
ethylaminophenol
nedrine

O_2
overatrylamine
enyldiethanolamine

PS_2
phos

nantane
ymene
phene
thyl-3-methylene-1,6-octadiene
-Pinene
-Pinene
-Pinene

rN
nzyl-N,N,N-trimethylammonium
ide

IN
yltrimethylammonium chloride

INO
nedrine hydrochloride

I_2NOS
at

eN_3O_9
onium iron(III)-IDRANAL®
onium iron(III)-IDRANAL® solution

I_2
iaminodurene
cic acid dinitrile

I_2O_8
enediaminetetraacetic acid
NAL® II

$_5O_{13}P_3$
osine-5'-triphosphoric acid

amantanol
phor

hexyl methacrylate

$O_4)_n$
utanediol adipate

$C_{10}H_{16}O_4S$
D(+)-Camphorsulphonic acid

$C_{10}H_{16}O_5$
Diethyl ethoxymethylenemalonate

$(C_{10}H_{16}O_6)_n$
Diethylene glycol adipate

$C_{10}H_{17}Cl_2NOS$
Diallate

$C_{10}H_{17}NO$
Benzyltrimethylammonium hydroxide solution

$C_{10}H_{17}NO_4$
N-(*tert.*-Butoxycarbonyl)-L-proline

$C_{10}H_{17}N_3O_6S$
L-Glutathione

$C_{10}H_{18}$
Decalin

$C_{10}H_{18}BrNO_4S$
(+)-3-Bromocamphor-8-sulphonic acid ammonium salt

$C_{10}H_{18}ClN$
1-Adamantaneammonium chloride

$C_{10}H_{18}Cl_2N_2$
N,N,N',N'-Tetramethyl-p-phenylenediammonium dichloride

$C_{10}H_{18}N_2O_4S$
4-Amino-N,N-diethylaniline sulphate

$C_{10}H_{18}N_2O_5$
N^{α}-(*tert.*-Butoxycarbonyl)-L-glutamine

$C_{10}H_{18}N_2O_5S$
N-Ethyl-N-(2-hydroxyethyl)-p-phenylenediamine sulphate

$C_{10}H_{18}O$
(–)-Borneol
4-*tert.*-Butylcyclohexanone
Geraniol
Linalool

$C_{10}H_{18}O_3$
Ethyl α,α-diethylacetoacetate
Pivalic anhydride
2+3-(Tetrahydrofurfuryloxy)tetrahydropyran
Valeric anhydride

$C_{10}H_{18}O_4$
Diethyl *iso*-propylmalonate
Sebacic acid

$(C_{10}H_{18}O_4)_n$
1,5-Pentanediol adipate

$C_{10}H_{18}O_5$
Di-*tert.*-butyl dicarbonate

$C_{10}H_{19}BrO_2$
2-Bromodecanoic acid
Ethyl 2-bromooctanoate

$C_{10}H_{19}N$
Capric acid nitrile

$C_{10}H_{19}N_5S$
Prometryne
Terbutryne

$C_{10}H_{19}O_6PS_2$
Malathion

$C_{10}H_{20}$
Decene-(1)

$C_{10}H_{20}Br_2$
1,10-Dibromodecane

$C_{10}H_{20}J_2$
1,10-Diiododecane

$C_{10}H_{20}N_2PbS_4$
Lead diethyl dit[illegible]

$C_{10}H_{20}O$
4-*tert.*-Butylcyclohexanol
Caprinaldehyde
Decanone-(2)
Decanone-(3)
(–)-Menthol

$C_{10}H_{20}O_2$
Capric acid
Ethyl caprylate
Methyl pelargonate

$C_{10}H_{20}O_5$
15-Crown-5

$C_{10}H_{21}Br$
1-Bromodecane

$C_{10}H_{21}J$
1-Iododecane

$C_{10}H_{22}$
Decane
n-Decane

$C_{10}H_{22}O$
1-Decanol
5-Decanol
iso-Decanol
Di-*iso*-amyl ether

$C_{10}H_{22}O_2$
Decanediol-(1,10)
Ethylene glycol-*n*-butyl-*tert.*-butyl ether

$C_{10}H_{22}O_3$
Diethylene glycol ethyl-*tert.*-butyl ether

$C_{10}H_{22}O_5$
Tetraethylene glycol dimethyl ether

$C_{10}H_{22}S$
Decanethiol-(1)

$C_{10}H_{23}N$
Decylamine
Dipentylamine

$C_{10}H_{23}NO$
2-Dibutylaminoethanol

$C_{10}H_{24}N_2$
Decanediamine-(1,10)
N,N,N',N'-Tetraethylenediamine

$C_{10}H_{26}N_4$
Spermine

$C_{10}Mn_2O_{10}$
di-Manganese decacarbonyl

$C_{11}H_5F_{17}O_2$
Ethyl perfluorononanoate

$C_{11}H_6Br_2O_3$
1,6-Dibromo-2-naphthol-3-carboxylic acid

$C_{11}H_7BrO$
1-Bromo-2-naphthaldehyde

$C_{11}H_7ClO$
1-Naphthoyl chloride
2-Naphthoyl chloride

$C_{11}H_7FO_2$
4-Fluoro-1-naphthoic acid

$C_{11}H_7N$
1-Naphthonitrile
2-Naphthonitrile

$C_{11}H_7NO$
Naphthyl-(1)-*iso*-cyanate

$C_{11}H_8N_3NaO_2$
4-(2-Pyridylazo)-resorcinol monosodium salt (PAR)

$C_{11}H_8O$
Naphthaldehyde-(1)
Naphthaldehyde-(2)

$C_{11}H_8OS$
2-Benzoylthiophene

$C_{11}H_8O_2$
2-Hydroxy-1-naphthalenealdehyde
2-Methyl-1,4-naphthoquinone
Naphthalene-1-carboxylic acid
Naphthalene-2-carboxylic acid

$C_{11}H_8O_3$
1-Hydroxy-2-naphthalenecarboxylic acid
3-Hydroxy-2-naphthalenecarboxylic acid

$C_{11}H_9Br$
1-Bromo-2-methylnaphthalene
1-Bromo-4-methylnaphthalene

$C_{11}H_9Cl$
1-(Chloromethyl)-naphthalene

$C_{11}H_9NO_2$
1-Acetyl-3-indolaldehyde
2-Aminonaphthalenecarboxilic-3 acid
Indole-3-acrylic acid

$C_{11}H_9NO_4$
N-Ethoxycarbonylphthalimide

$C_{11}H_{10}$
1-Methylnaphthalene
2-Methylnaphthalene

$C_{11}H_{10}BrNO_2$
N-(3-Bromopropyl)phthalimide

$C_{11}H_{10}F_3NO_2$
N-[2'-(Trifluoromethyl)-phenyl]-β-cetobutyramide

$C_{11}H_{10}N_2OS$
4(6)-Benzyl-2-thiouracil

$C_{11}H_{10}N_2S$
Naphthyl-(1)-thiourea

$C_{11}H_{10}O$
1-Methoxynaphthalene
2-Methoxynaphthalene

$C_{11}H_{11}ClNO$
Propachloro

$C_{11}H_{11}Cl_3O_3$
2,4,5-Trichlorophenyl-*tert.*-butyl carbonate

$C_{11}H_{11}FO_4$
3-(3-Fluoro-4-methoxybenzoyl)-propionic acid

$C_{11}H_{11}NO_2$
3-(3-Indolyl)-propionic acid

$C_{11}H_{11}NO_3 \cdot 2H_2O$
α-Acetamidocinnamic acid dihydrate

$C_{11}H_{11}N_3O_2$
4-Nitrosophenazone

$C_{11}H_{12}N_2$
3,5-Dimethyl-1-phenylpyrazole

$C_{11}H_{12}N_2O_2$
D(+)-Tryptophan
DL-Tryptophan
L(−)-Tryptophan

$C_{11}H_{12}N_2O_3$
DL-5-Hydroxytryptophan
L-5-Hydroxytryptophan

$C_{11}H_{12}O_2$
Ethyl cinnamate
6-Methoxy-1,2,3,4-tetrahydronaphthalinone-(1)

$C_{11}H_{12}O_3$
Ethyl benzoylacetate

$C_{11}H_{12}O_4$
trans-2,4-Dimethoxycinnamic acid
trans-3,4-Dimethoxycinnamic acid

$C_{11}H_{13}ClO_3$
MCPB
Mecoprop-methyl ester

$C_{11}H_{13}NO$
4-Dimethylaminocinnamic aldehyde

$C_{11}H_{13}NO_4$
L-Aspartic acid-β-benzyl ester
N-Benzyloxycarbonyl-L-alanine

$C_{11}H_{13}NO_5$
N-Benzyloxycarbonyl-L-serine

$C_{11}H_{13}N_3O$
1-Phenyl-2,3-dimethyl-4-aminopyrazolon-(5)

$C_{11}H_{14}$
2,4,6-Trimethylstyrene

$C_{11}H_{14}N_2$
4-Diethylaminobenzonitrile
3-(Dimethylaminomethyl)indole
N-Ethyl-N-cyanoethylaniline

$C_{11}H_{14}O$
Benzyl propyl ketone
Benzyl-*iso*-propyl ketone
2,4,6-Trimethylacetophenone
Valerophenone

$C_{11}H_{14}O_2$
4-*tert.*-Butylbenzoic acid
Ethyl 3-tolylacetate

$C_{11}H_{14}O_3$
tert.-Butyl perbenzoate
Butyl 4-hydroxybenzoate

$C_{11}H_{14}O_4$
Ethyl guaiacol glycolate
2,3,4-Trimethoxyacetophenone
2,4,5-Trimethoxyacetophenone
3,4,5-Trimethoxyacetophenone

$C_{11}H_{14}O_5$
3,4,5-Trimethoxyphenylacetic acid

$C_{11}H_{15}FO_2$
1-Adamantyl fluoroformate

$C_{11}H_{15}N$
1-Adamantanecarbonitrile

$C_{11}H_{15}NO$
4-Diethylaminobenzaldehyde

$C_{11}H_{16}$
n-Pentylbenzene
sec.-Pentylbenzene

$C_{11}H_{16}ClNO_2S$
Methyl S-benzyl-L-cysteinate hydrochloride

$C_{11}H_{16}ClN_3O_2$
Formetanate hydrochloride

$C_{11}H_{16}O$
2-*tert.*-Butyl-4-methylphenol

$C_{11}H_{16}O_2$
1-Adamantanecarboxylic acid
2-*tert.*-Butyl-4-methoxyphenol

$C_{11}H_{18}Cl_2N_2$
N-Benzylpiperazine dihydrochloride

$C_{11}H_{19}ClO$
10-Undecenoyl chloride

$C_{11}H_{19}NO_9$
N-Acetylneuramic acid (NANA)

$C_{11}H_{20}O_2$
Undecylenic acid

$C_{11}H_{20}O_4$
Diethyl diethylmalonate
Diethyl pimelate
Diethyl *n*-butylmalonate
Diethyl *sec.*-butylmalonate
Diethyl *iso*-butylmalonate

$C_{11}H_{21}BrO_2$
2-Bromoundecanoic acid
11-Bromoundecanoic acid
Ethyl 2-bromononanoate

$C_{11}H_{21}N$
Undecanoic acid nitrile

$C_{11}H_{21}NO_4 \cdot H_2O$
N-(*tert.*-Butoxycarbonyl)-L-leucine

$C_{11}H_{21}N_5OS$
Methoprotryne

$C_{11}H_{21}N_5O_6$
N^{α}-(*tert.*-Butoxycarbonyl)-N^{ω}-nitro-L-arginine

$C_{11}H_{22}$
1-Undecene

$C_{11}H_{22}Br_2$
1,11-Dibromoundecane

$C_{11}H_{22}N_2$
3-Dibutylaminopropionitrile

$C_{11}H_{22}N_2O$
Cycluron

$C_{11}H_{22}O$
2-Undecanone
4-Undecanone
5-Undecanone
6-Undecanone
10-Undecene-(1)-ol

$C_{11}H_{22}O_2$
Ethyl pelargonate
Methyl caprate
Undecanoic acid

$C_{11}H_{23}Br$
1-Bromoundecane

$C_{11}H_{24}$
Undecane
n-Undecane

$C_{11}H_{24}O$
1-Undecanol
3-Undecanol
6-Undecanol

$C_{11}H_{24}O_4$
1,1,3,3-Tetraethoxypropane

$C_{12}Br_{10}O$
Decabromo diphenyl ether

$C_{12}Cl_{10}$
2,2',3,3',4,4',5,5',6,6'-PCB

$C_{12}Fe_3O_{12}$
tri-Iron-dodecacarbonyl

$C_{12}F_{25}J$
Perfluorododecyl iodide

$C_{12}F_{26}S_2$
Bis-(perfluorohexyl)-disulphide

$C_{12}F_{27}N$
Perfluorotributylamine

$C_{12}H_2ClF_{21}O$
(Perfluorodecyl)-acetyl chloride

$C_{12}H_4F_{21}J$
1H,1H,2H,2H-Perfluorododecyl iodide

$C_{12}H_4N_4$
7,7,8,8-Tetracyanoquinodimethane

$C_{21}O$
H,2H,2H-Perfluorododecanol

H_2O_{12}
crylamine

Br_2NNaO_2
Dibromophenolindophenol sodium salt

$Cl_2NNaO_2 \cdot 2H_2O$
Dichlorophenolindophenol sodium salt
drate

Cl_4
4,4'-PCB

Cl_4O_2S
adiphon

Cl_4S
asul

$F_2N_2O_6S$
(4-fluoro-3-nitrophenyl)-sulphone

O_2
naphthenequinone

Cl_3
5-PCB

naphthylene

Br_2
Dibromobiphenyl

$ClNS$
lorophenothiazine

Cl_2
PCB
PCB
PCB
PCB
PCB
PCB

Cl_2O_3S
rofensone
ite

Cl_6
in

Cl_6O
drin
rin

NO_2
oro-4'-nitrobiphenyl

$_2$
Difluorobiphenyl

$_2O_2S$
4-fluorophenyl)-sulphone

$_4O$
trafluoroethoxynaphthalene

$_2$
Benzo[c]cinnoline
azine

$_2 \cdot H_2O$
Phenanthroline

$_2O_2$
Pyridil

$_2O_3$
tinic anhydride

$_2O_4$
Dinitrobiphenyl
Dinitrobiphenyl

nzofuran

$C_{12}H_6O_4$
Naphthalene-(2,3)-dicarboxylic acid

$C_{12}H_8S$
Dibenzothiophene

$C_{12}H_8S_2$
Thianthrene

$C_{12}H_9Br$
4-Bromobiphenyl

$C_{12}H_9Cl$
2-PCB
3-PCB
4-PCB

$C_{12}H_9ClN_2 \cdot H_2O$
1,10-Phenanthrolinium chloride

$C_{12}H_9ClN_2O_2$
4-Chloro-2-nitrodiphenylamine

$C_{12}H_9ClO$
4-Chlorodiphenyl ether

$C_{12}H_9ClO_3S$
Fenson

$C_{12}H_9F$
2-Fluorobiphenyl
4-Fluorobiphenyl

$C_{12}H_9FO$
4-Fluorodiphenyl ether

$C_{12}H_9N$
Carbazole

$C_{12}H_9NO$
2-Benzoylpyridine
3-Benzoylpyridine
4-Benzoylpyridine

$C_{12}H_9NS$
Phenothiazine

$C_{12}H_9N_2NaO_5S$
Tropaeolin 0

$C_{12}H_9N_3O_4$
4-(4-Nitrophenylazo)-resorcinol

$C_{12}H_{10}$
Acenaphthene
Biphenyl

$C_{12}H_{10}Ca_3O_{14} \cdot 4H_2O$
Calcium citrate

$C_{12}H_{10}ClJ$
Diphenyliodonium chloride

$C_{12}H_{10}ClN$
4-(4-Chlorobenzyl)pyridine

$C_{12}H_{10}ClNO$
2-Amino-4-chlorodiphenyl ether
4-Amino-4'-chlorodiphenyl ether

$C_{12}H_{10}ClN_3S$
Thionine

$C_{12}H_{10}ClO_3P$
Diphenyl chlorophosphate

$C_{12}H_{10}Cl_2Si$
Dichlorodiphenylsilane

$C_{12}H_{10}FN$
4-Amino-4'-fluorobiphenyl

$C_{12}H_{10}Hg$
Diphenylmercury

$C_{12}H_{10}NNaO_3S$
Diphenylaminesulphonic acid sodium salt

$C_{12}H_{10}N_2$
Azobenzene

$C_{12}H_{10}N_2O$
4-Hydroxyazobenzene
N-Nitrosodiphenylamine

$C_{12}H_{10}N_2O_3$
4-(4-Nitrobenzyl)-pyridine
2-Nitrodiphenylamine

$C_{12}H_{10}N_4O_4$
3,3'-Dinitrobenzidine

$C_{12}H_{10}O$
2-Acetylnaphthalene
Diphenyl ether
2-Hydroxybiphenyl
4-Hydroxybiphenyl

$C_{12}H_{10}OS$
Diphenyl sulphoxide

$C_{12}H_{10}O_2$
2,2'-Dihydroxybiphenyl
4,4'-Dihydroxybiphenyl
1-Naphthyl acetate
2-Naphthyl acetate
Naphthyl-(1)-acetic acid
Naphthyl-(2)-acetic acid

$C_{12}H_{10}O_2S$
Diphenylsulphone

$C_{12}H_{10}O_4$
Quinhydrone

$C_{12}H_{10}O_4S$
Dihydroxybiphenylsulphone

$C_{12}H_{10}S$
Diphenyl sulphide

$C_{12}H_{10}S_2$
Diphenyl disulfide

$C_{12}H_{11}ClN_2$
2-Amino-4'-chlorodiphenylamine

$C_{12}H_{11}Hg_2NO_4$
Phenylmercury nitrate

$C_{12}H_{11}N$
2-Aminobiphenyl
2-Benzylpyridine
4-Benzylpyridine
Diphenylamine

$C_{12}H_{11}NO$
1-Naphthylacetamide

$C_{12}H_{11}NOS$
Thionalide

$C_{12}H_{11}NO_2$
Carbaryl

$C_{12}H_{11}NO_2S$
2-Aminodiphenylsulphone

$C_{12}H_{11}NO_4S_2$
Dibenzenesulphimide

$C_{12}H_{11}N_3$
4-Aminoazobenzene

$C_{12}H_{12}$
1,2-Dimethylnaphthalene
1,3-Dimethylnaphthalene
1,6-Dimethylnaphthalene
2,3-Dimethylnaphthalene
2-Ethylnaphthalene

$C_{12}H_{12}ClNO_2S$
5-Dimethylaminonaphthalenesulphonyl-1-chloride

$C_{12}H_{12}FeO$
Acetylferrocene

$C_{12}H_{12}N_2$
4-Aminodiphenylamine
2-Benzylaminopyridine
1,1-Diphenylhydrazine
Hydrazobenzene

$C_{12}H_{12}N_2O$
4,4'-Diaminodiphenyl ether

$C_{12}H_{12}N_2OS_2$
5-(4-Dimethylaminobenzylidene)-rhodanine

$C_{12}H_{12}N_2O_2S$
4,4'-Diaminodiphenylsulphone

$C_{12}H_{12}N_2S_2$
4,4'-Diaminodiphenyl disulphide

$C_{12}H_{12}O$
Methylnaphthylcarbinol-(1)
Methylnaphthylcarbinol-(2)

$C_{12}H_{12}O_3$
1,3,5-Triacetylbenzene

$C_{12}H_{12}O_5$
3,5-Diacetoxy-acetophenone

$C_{12}H_{13}ClN_2$
4-Aminodiphenylamine chloride
N,N-Diphenylhydrazinium chloride

$C_{12}H_{13}ClN_2O$
Buturon

$C_{12}H_{13}ClN_4$
Chrysoidine G

$C_{12}H_{13}N$
N-Ethyl-1-naphthylamine

$C_{12}H_{13}NO_2$
4-(3-Indolyl)-butyric acid

$C_{12}H_{13}NO_2S$
Carboxine

$C_{12}H_{13}NO_4S$
Oxycarboxine

$C_{12}H_{14}BrN$
N-Ethylnaphthylammonium-(1)-bromide

$C_{12}H_{14}Cl_2N_2$
Methyl viologen

$C_{12}H_{14}Cl_3O_4P$
Chlorfenvinphos

$C_{12}H_{14}F_4O$
2-*sec.*-Butyltetrafluoroethoxybenzene

$C_{12}H_{14}N_2O_2S$
N-Mesitylenesulphonyl-1-imidazole

$C_{12}H_{14}N_2O_5$
N-Benzyloxycarbonyl-L-asparagine

$C_{12}H_{14}N_2O_6$
Dinoseb acetate

$C_{12}H_{14}O_4$
Diethyl phthalate

$C_{12}H_{14}O_5$
trans-3,4,5-Trimethoxycinnamic acid

$C_{12}H_{14}O_6$
Diethyl 2,5-dihydroxyterephthalate

$C_{12}H_{15}ClN_2O_2$
L-Tryptophan methyl ester hydrochloride

$C_{12}H_{15}ClO_3$
MCPB-methyl ester

$C_{12}H_{15}NO$
1-Benzylpiperidinone-(4)

$C_{12}H_{15}NO_4$
γ-Benzyl L-glutamate

$C_{12}H_{15}NO_5$
N-Benzyloxycarbonyl-L-threonine

$C_{12}H_{15}NO_8$
2-Nitrophenyl-β-D-galactopyranoside
4-Nitrophenyl-α-D-galactopyranoside
2-Nitrophenyl-β-D-glucopyranoside
4-Nitrophenyl-α-D-glucopyranoside
4-Nitrophenyl-β-D-glucopyranoside

$C_{12}H_{15}N_3O_3$
Triallyl cyanurate

$C_{12}H_{15}N_3O_4S \cdot 2H_2O$
4,4'-Diaminodiphenylammonium sulphate dihydrate

$C_{12}H_{16}$
Methylcyclopentadiene dimer

$C_{12}H_{16}Cl_2N_2$
N-(1-Naphthyl)-ethylenediammonium dichloride

$C_{12}H_{16}Cl_2N_2O$
Neburon

$C_{12}H_{16}N_3O_3PS_2$
Azinphos-ethyl

$C_{12}H_{16}O_2$
4-Butoxyacetophenone
4-Cyclohexylresorcinol

$C_{12}H_{16}O_3$
1-(2,4-Dihydroxyphenyl)-hexanone-(1)

$C_{12}H_{17}N$
4-Benzylpiperidine

$C_{12}H_{17}NO_2$
Promecarb

$C_{12}H_{17}NO_9 \cdot H_2O$
L(−)-Noradrenaline-L-tartrate

$C_{12}H_{17}N_3O_3$
1,2,3-Tris-(2-cyanoethoxy)-propane

$C_{12}H_{18}$
cis,trans,trans-1,5,9-Cyclododecatriene
1,3-Di-*iso*-propylbenzene
1,4-Di-*iso*-propylbenzene
Hexamethylbenzene
1-Phenylhexane

$C_{12}H_{18}Br_6$
1,2,5,6,9,10-Hexabromocyclododecane

$C_{12}H_{18}Cl_2N_4OS$
Thiaminium dichloride

$C_{12}H_{18}F_2O_7$
Triethyl 2,4-difluorocitrate

$C_{12}H_{18}N_4O_7P_2S \cdot 4H_2O$
Thiaminium pyrophosphoric acid

$C_{12}H_{18}O$
1,5,9-Cyclododecatriene monoxide
2,6-Di-*iso*-propylphenol

$C_{12}H_{18}O_2$
1-Adamantaneacetic acid
4-Hexylresorcinol

$C_{12}H_{20}O_4$
Di-*n*-butyl-fumarate

$(C_{12}H_{20}O_4)_n$
Ethylene glycol sebacate

$C_{12}H_{21}N_2O_3PS$
Diazinon

$C_{12}H_{22}$
Cyclododecene

$C_{12}H_{22}N_2O_5$
N^{α}-(*tert.*-Butoxycarbonyl)-N^{ε}-formyl-L-lysine

$C_{12}H_{22}O$
Cyclododecanone

$C_{12}H_{22}O_3$
Hexanoic anhydride

$C_{12}H_{22}O_4$
Diethyl suberate
Diethyl *iso*-pentylmalonate
Diethyl *n*-pentylmalonate
Dodecanedioic acid
Octylsuccinic acid

$C_{12}H_{22}O_{11}$
D-Cellobiose
β-Gentiobiose
Palatinose
D(+)-Saccharose

$C_{12}H_{22}O_{11} \cdot H_2O$
D(+)-Lactose
D(+)-Maltose
α-D(+)-Melibiose monohydrate

$C_{12}H_{22}O_{11} \cdot 2H_2O$
D(+)-Trehalose dihydrate

$C_{12}H_{23}BrO_2$
2-Bromododecanoic acid
Ethyl 2-bromodecanoate

$C_{12}H_{23}ClO$
Lauroyl chloride

$C_{12}H_{23}N$
Dicyclohexylamine
Lauronitrile

$C_{12}H_{24}$
Cyclododecane
1-Dodecene

$C_{12}H_{24}Br_2$
1,12-Dibromododecane

$C_{12}H_{24}N_2$
4-Dibutylaminobutyronitrile

$C_{12}H_{26}N_2O_2$
N,N-Dicyclohexylammonium nitrite

$C_{12}H_{24}O$
Butyl heptyl ketone
2-Dodecanone
3-Dodecanone
Lauraldehyde

$C_{12}H_{24}O_2$
Ethyl caprate
Lauric acid
Methyl undecanoate

$C_{12}H_{24}O_4Sn$
Dibutyltin diacetate

$C_{12}H_{24}O_6$
18-Crown-6

$C_{12}H_{25}Br$
1-Bromododecane

$C_{12}H_{25}Cl$
1-Chlorododecane

$C_{12}H_{25}NaO_4S$
Sodium dodecyl sulphate

$C_{12}H_{26}$
Dodecane
n-Dodecane

$C_{12}H_{26}O$
Dihexyl ether
1-Dodecanol
2-Dodecanol

$C_{12}H_{26}O_3$
Diethylene glycol dibutyl ether
Diethylene glycol-*n*-butyl-*tert.*-butyl ether

$C_{12}H_{26}O_6$
Pentaethylene glycol dimethyl ether

$C_{12}H_{26}S$
1-Dodecanethiol

ClSn
utyltin chloride

N
ecylamine
utylamine

O_3P
utyl phosphite

O_4P
utyl phosphate

P
utyl phosphine

$AlLiO_3$
ium aluminium-tri-*tert.*-butoxyhydride

N_2
lecamethylenediamine

O_4Ti
rapropyl orthotitanate
ra-*iso*-propyl orthotitanate

$Cl_2N_2 \cdot 2H_2O$
amethonium chloride dihydrate

J_2N_2
amethonium iodide

$B_2F_8N_6OP_2$
es' reagent

Rh_4
ra-Rhodium dodecacarbonyl

Ru_3
Ruthenium dodecacarbonyl

Cl_6O_2
xachlorophene
-Methylenebis(3,4,6-trichlorophenol)

$Br_2N_3O_6$
mofenoxime

Cl_2O
-DBP

F_2O
-Difluorobenzophenone
-Difluorobenzophenone

N_2O_4
Dinitrofluorene

N_3NaO_5
arin yellow GG
arin yellow R

O
prenone-(9)

O_2
ithone

Br
romofluorene
romofluorene

ClFO
hloro-4'-fluorobenzophenone

ClO
hlorobenzophenone

FO
uorobenzophenone
uorobenzophenone

N
idine
iphenylcarboxylic acid nitrile
aphthoquinoline

NO
idanone

NO_2
itrofluorene

$C_{13}H_{10}$
Fluorene

$C_{13}H_{10}ClN$
Acridinium chloride

$C_{13}H_{10}ClNO$
2-Amino-5-chlorobenzophenone
N,N-Diphenylcarbamoyl chloride

$C_{13}H_{10}Cl_2$
4-Chlorobenzhydryl chloride
4,4'-DDM

$C_{13}H_{10}Cl_2S$
Chlorobenside

$C_{13}H_{10}FNO$
4-Fluorobenzanilide

$C_{13}H_{10}F_2O$
Bis-(4-fluorophenyl)-methanol

$C_{13}H_{10}F_3N$
3-(Trifluoromethyl)-diphenylamine

$C_{13}H_{10}N_2O_3$
2-(4'-Hydroxybenzeneazo)benzoic acid

$C_{13}H_{10}O$
Benzophenone

$C_{13}H_{10}O_2$
2-Biphenylcarboxylic acid
4-Biphenylcarboxylic acid
4-Hydroxybenzophenone
Phenyl benzoate
Xanthydrol
Xanthydrol solution

$C_{13}H_{10}O_3$
2,4-Dihydroxybenzophenone
Diphenyl carbonate
2-Phenoxybenzoic acid

$C_{13}H_{11}Br$
Bromodiphenylmethane

$C_{13}H_{11}BrO$
4-Bromobenzhydrol

$C_{13}H_{11}Cl$
Chlorodiphenylmethane

$C_{13}H_{11}ClN_2 \cdot H_2O$
9(5)-Aminoacridine chloride monohydrate

$C_{13}H_{11}ClN_2O_2$
2-Amino-4'-chlorodiphenylamine-2'-carboxylic acid

$C_{13}H_{11}N$
Fluorenamine-(2)

$C_{13}H_{11}NO$
2-Aminobenzophenone
4-Aminobenzophenone
Benzanilide

$C_{13}H_{11}NO_2$
N-Benzoyl-N-phenylhydroxylamine
Benzyl nicotinate
Diphenylamine-2-carboxylic acid

$C_{13}H_{12}$
Diphenylmethane

$C_{13}H_{12}ClN_3 \cdot xH_2O$
Proflavine monohydrochloride

$C_{13}H_{12}ClN_3O$
Variamine blue salt B

$C_{13}H_{12}N_2$
Benzophenone hydrazone
2,7-Diaminofluorene
N,N'-Diphenylformamidine

$C_{13}H_{12}N_2S$
Diphenylthiourea

$C_{13}H_{12}N_4O$
Diphenylcarbazone

$C_{13}H_{12}N_4S$
Dithizone

$C_{13}H_{12}O$
Benzhydrol
2-Benzylphenol
4-Benzylphenol

$C_{13}H_{12}O_2$
Hydroquinone monobenzyl ether
Naphthyl-(1)-acetic acid methyl ester
Naphthyl-1-acetic acid methyl ester

$C_{13}H_{13}ClN_2$
N,N'-Diphenylformamidine hydrochloride

$C_{13}H_{13}N_3$
Nitrin

$C_{13}H_{14}ClNO$
4-Benzyloxyanilinium chloride

$C_{13}H_{14}FNO_3S$
2-Fluoro-N-methylpyridinium tosylat

$C_{13}H_{14}N_2$
4,4'-Diaminodiphenylmethane

$C_{13}H_{14}N_2O_3$
N-Acetyl-DL-tryptophan

$C_{13}H_{14}N_4O$
Diphenylcarbazide

$C_{13}H_{15}NO_6$
N-Benzyloxycarbonyl-L-glutamic acid

$C_{13}H_{16}F_3N_3O_4$
Trifluralin

$C_{13}H_{16}N_2O_5$
N-Benzyloxycarbonyl-L-glutamine

$C_{13}H_{16}N_2O_6$
Medinoterb acetate

$C_{13}H_{16}O_4$
Diethyl phenylmalonate

$C_{13}H_{17}NO_4$
N-Benzyloxycarbonyl-L-valine

$C_{13}H_{17}NO_4 \cdot H_2O$
N-Acetyl-L-tyrosine ethyl ester monohydrate

$C_{13}H_{17}N_3O$
4-Dimethylamino-2,3-dimethyl-1-phenylpyrazolone-(5)

$C_{13}H_{17}N_5O_4$
2',3'-O-*iso*-Propyleneadenosine

$C_{13}H_{18}N_2O_2$
Lenacile

$C_{13}H_{18}N_4O_3$
N^{α}-Benzoyl-L-arginine

$C_{13}H_{18}O$
4-Hexylbenzaldehyde

$C_{13}H_{18}O_7$
D-Salicin

$C_{13}H_{20}$
1-Phenylheptane

$C_{13}H_{20}ClN_5O_2 \cdot H_2O$
N^{α}-Benzoyl-L-argininamide hydrochloride monohydrate

$C_{13}H_{20}O$
α-Ionone
β-Ionone

$C_{13}H_{20}O_4$
Diethyl diallylmalonate

$C_{13}H_{21}ClN_2O_2$
Procaine A
Procaine P

$C_{13}H_{22}ClN$
Benzyltriethylammonium chloride

$C_{13}H_{22}N_2$
Dicyclohexylcarbodiimide

$C_{13}H_{26}N_2S$
N,N'-Dicyclohexylthiourea

$C_{13}H_{25}BrO_2$
Ethyl 2-bromoundecanoate

$C_{13}H_{26}N_2$
4,4'-Diaminodicyclohexylmethane

$C_{13}H_{26}O$
Dihexyl ketone
Tridecanone-(2)

$C_{13}H_{26}O_2$
Methyl laurate
Tridecanoic acid
iso-Tridecanoic acid

$C_{13}H_{27}Br$
1-Bromotridecane

$C_{13}H_{28}$
n-Tridecane

$C_{13}H_{28}O$
Tridecanol-(1)
iso-Tridecanol

$C_{14}H_4F_{25}J$
1H,1H,2H,2H-Perfluorotetradecyl iodide

$C_{14}H_6Cl_4O_4$
2,4-Dichlorobenzoyl peroxide

$C_{14}H_6O_8$
Ellagic acid

$C_{14}H_7ClO_2$
1-Chloroanthraquinone

$C_{14}H_7NaO_5S \cdot H_2O$
Anthraquinone-2-sulphonic acid sodium salt

$C_{14}H_7NaO_7S \cdot H_2O$
Alizarin S

$C_{14}H_8Cl_4$
2,4'-DDE
4,4'-DDE

$C_{14}H_8O_2$
Anthraquinone
Phenanthrenequinone-(9,10)

$C_{14}H_8O_4$
Alizarin
1,4-Dihydroxyanthraquinone
1,8-Dihydroxyanthraquinone
2,6-Dihydroxyanthraquinone

$C_{14}H_8O_6$
1,2,5,8-Tetrahydroxyanthraquinone

$C_{14}H_8O_8$
Naphthalene-1,4,5,8-tetracarboxylic acid

$C_{14}H_9Br$
9-Bromoanthracene
9-Bromophenanthrene

$C_{14}H_9ClN_2$
4-Chloro-2-phenylquinazoline

$C_{14}H_9Cl_3$
4,4'-DDMU

$C_{14}H_9Cl_5$
2,4'-DDT
4,4'-DDT

$C_{14}H_9Cl_5O$
Keltan (Dicofol)

$C_{14}H_9NO_2$
1-Aminoanthraquinone
2-Aminoanthraquinone

$C_{14}H_{10}$
Anthracene
Diphenylacetylene
Phenanthrene

$C_{13}H_{10}Cl_2O_2$
4,4'-DDA

$C_{14}H_{10}Cl_4$
2,4'-DDD
4,4'-DDD (TDE)

$C_{14}H_{10}F_3NO_2$
N-(3-Trifluoromethylphenyl)--anthranilic acid

$C_{14}H_{10}N_2O_2$
1,4-Diaminoanthraquinone

$C_{14}H_{10}N_2O_4$
4,4'-Dinitrostilbene

$C_{14}H_{10}O$
Anthrone

$C_{13}H_{10}O_2$
Benzil

$C_{14}H_{10}O_3$
Benzoic anhydride
2-Benzoylbenzoic acid
Fluorenol
9-Xanthencarboxylic acid

$C_{14}H_{10}O_4$
Benzoyl peroxide
2,2'-Biphenyldicarboxylic acid

$C_{14}H_{10}O_4S_2$
2,2'-Dithiodibenzoic acid

$C_{14}H_{11}BrO$
4-Phenylphenacyl bromide

$C_{14}H_{11}N$
Diphenylacetonitrile
2-Phenylindole

$C_{14}H_{11}NO$
TOBO

$C_{14}H_{11}NO_3$
2-Aminobenzophenone-2'-carboxylic acid

$C_{14}H_{12}$
9,10-Dihydroanthracene
1,1-Diphenylethylene
cis-Stilbene
trans-Stilbene

$C_{14}H_{12}Cl_2O$
4,4'-DDOH

$C_{14}H_{12}Cl_4N_4O_2Zn$
Fast blue salt B

$C_{14}H_{12}N_2$
Benzalazine
Neocuproin

$C_{14}H_{12}N_2O_2$
Glyoxal-bis-(2-hydroxyanil)

$C_{14}H_{12}N_4O$
Bis-(4-aminophenyl)-1,3,4-oxadiazole (BAO)

$C_{14}H_{12}O$
Deoxybenzoin
Diphenylacetaldehyde
4-Hydroxystilbene
4-Phenylacetophenone

$C_{14}H_{12}O_2$
Benzoin
Benzyl benzoate
Diphenylacetic acid

$C_{13}H_{12}O_3$
Benzilic acid
2-Hydroxy-4-methoxybenzophenone
UV Absorber HMB "Riedel"

$C_{14}H_{12}O_5$
Khellin

$C_{14}H_{12}O_6S$
2-Hydroxy-4-methoxybenzophenone sulphonic acid

$C_{14}H_{13}ClN_2$
Neocuproin hydrochloride

$C_{14}H_{13}N$
9-Ethylcarbazole

$C_{14}H_{13}NO_2$
α-Benzoinoxime

$C_{14}H_{14}N_2O_4S$
5-Methylphenazinium methyl sulphate

$C_{14}H_{14}N_2O_6S_2$
4,4'-Diamino-2,2'-stilbenedisulphonic

$C_{14}H_{14}N_3NaO_3S$
Methyl orange

$C_{14}H_{14}N_4O_4S$
Fast garnet salt GBC

$C_{14}H_{14}O$
Dibenzyl ether
1,1-Diphenylethanol

$C_{14}H_{14}OS$
Dibenzyl sulphoxide

$C_{14}H_{14}O_5S_2$
4-Toluenesulphonic anhydride

$C_{14}H_{14}S$
Dibenzyl sulphide

$C_{14}H_{14}S_2$
Dibenzyl disulphide

$C_{14}H_{15}N$
Dibenzylamine
1,2-Diphenylethylamine

$C_{14}H_{15}N_3$
4-Dimethylaminoazobenzene

$C_{14}H_{16}N_2$
N,N'-Diphenylethylenediamine
o-Tolidine

$C_{14}H_{16}N_2OS_2$
5-(4-Diethylaminobenzylidene)-rhodanin

$C_{14}H_{16}N_2O_2$
o-Dianisidine

$C_{14}H_{16}O_4$
Diethyl benzylidenemalonate

$C_{14}H_{17}N$
α-Cyclohexylphenylacetonitril

$C_{14}H_{17}N_5O_3$
N^{α}-Benzyloxycarbonyl-L-histidine hydraz

$C_{14}H_{18}Cl_2N_2$
o-Tolidine hydrochloride

$C_{14}H_{18}N_2O$
iso-Propylphenazone

$C_{14}H_{18}N_2O_7$
Dinobuton

$C_{14}H_{18}N_3Na_5O_{10}$
Diethylenetriaminepentaacetic acid pentasodium salt

$C_{14}H_{18}O_2$
α-Cyclohexylphenylacetic acid

yl benzylmalonate

rO₆
etobromoglucose

IO₄
rt.-Butoxycarbonyl)-L-phenylalanine

ClNO₂
hlor

KNO₁₀)ₙ
uronic acid potassium salt

N₂O₄
Benzyloxycarbonyl-L-lysine
lenzyloxycarbonyl-L-lysine

N₂O₄S
L[3]

N₄O₄
Benzyloxycarbonyl-L-arginine

NO₁₀)ₙ
uronic acid

N₅O₄S · H₂O
tonin-creatinine sulphate monohydrate

enyloctane

ClNO₃
rt.-Butyl-L-tyrosine methylester
ochloride

N₂O₆ · H₂O
ANAL[3] IV

N₄O₂
ic acid-bis-(cyclohexylidene hydrazide)

O
Di-*sec*.-butylphenol
Di-*tert*.-butylphenol
Di-*tert*.-butylphenol

O₂
Di-*tert*.-butylhydroquinone

ClN₄O₄S
osyl-L-arginine methyl ester
ochloride

N₅O₁₀
hylenetriaminepentaacetic acid
ANAL[3] V

N₂O₈
Diaminohexane-N,N,N',N'-tetraacetic

N₂O₁₀
ANAL[3] VI

O₄
ylsuccinic acid
tyl adipate
nyl sebacate
decanedioic acid

O₆
(2-ethoxyethyl) adipate

BrO₂
omotetradecanoic acid
2-bromododecanoate

ClO
stoyl chloride

J
stonitrile

radecene
radecene

$C_{14}H_{28}O_2$
Methyl tridecanoate
Myristic acid

$C_{14}H_{28}O_3$
2-Hydroxytetradecanoic acid

$C_{14}H_{28}O_6$
Octyl-β-D-glucopyranose

$C_{14}H_{29}Br$
1-Bromotetradecane

$C_{14}H_{29}F$
1-Fluorotetradecane

$C_{14}H_{30}$
n-Tetradecane
Tetradecane

$C_{14}H_{30}O$
Diheptyl ether
Tetradecyl alcohol

$C_{14}H_{30}O_2Sn$
Tributyltin acetate

$C_{14}H_{30}O_7$
Hexaethylene glycol dimethyl ether

$C_{14}H_{30}S$
1-Tetradecanethiol

$C_{14}H_{36}N_2O_4S$
2-Aminoheptane sulphate

$C_{15}H_{10}$
4,5-Methylenephenanthrene

$C_{15}H_{10}J_4NNaO_4 \cdot 5H_2O$
L-Thyroxine sodium salt

$C_{15}H_{10}O$
9-Anthracenecarbaldehyde

$C_{15}H_{10}O_2$
2-Phenylindanedione-(1,3)

$C_{15}H_{10}O_3$
1,2-Diphenylvinylencarbonate

$C_{15}H_{10}O_7 \cdot 2H_2O$
Morin
Quercetin dihydrate

$C_{15}H_{11}HgNO$
Phenylmercury-8-hydroxyquinoline

$C_{15}H_{11}NO$
PPO

$C_{15}H_{11}NO_2$
1-Methylaminoanthraquinone

$C_{15}H_{11}N_3$
α,α',α''-Tripyridyl

$C_{15}H_{11}N_3O$
1-(2-Pyridylazo)naphthol-(2) (PAN)

$C_{15}H_{12}$
9-Methylanthracene

$C_{15}H_{12}Br_4O_2$
Tetrabromobisphenol A

$C_{15}H_{12}N_2O_2$
5,5-Diphenylhydantoin

$C_{15}H_{12}N_2O_3$
Furfuramide

$C_{15}H_{12}O$
2-Acetylfluorene
Benzylideneacetophenone
Dibenzosuberone

$C_{15}H_{12}O_2$
Dibenzoylmethane

$C_{15}H_{12}O_3$
Fluorenol-methyl ester

$C_{15}H_{12}J_4NO_4$
3,5 Diiodo-L-thyr[illegible]
3,5-Diiodo[illegible]thyronine

$C_{15}H_{13}NO$
2-Acetamidofluorene

$C_{15}H_{13}NO_2$
N-Cinnamoyl-N-phenylhydroxylamine

$C_{15}H_{14}N_3NaO_2$
Methyl red sodium salt

$C_{15}H_{14}O$
2,5-Dimethylbenzophenone
1,3-Diphenylacetone

$C_{15}H_{14}O_3$
Benzyl-DL(±)-mandelate

$C_{15}H_{15}ClN_2O_2$
Chlorooxuron

$C_{15}H_{15}N_3O_2$
Methyl red

$C_{15}H_{16}N_2S$
1,3-Dibenzylthiourea

$C_{15}H_{16}O$
2-(4)-Biphenylyl-2-propanol

$C_{15}H_{16}O_9 \cdot 1{,}5H_2O$
Esculin

$C_{15}H_{17}ClN_4$
Neutral red

$C_{15}H_{18}$
Guaiazulene

$C_{15}H_{18}N_2O_6$
Binapacryl

$C_{15}H_{21}AlO_6$
Aluminium acetylacetonate

$C_{15}H_{21}CoO_6$
Cobalt(III) acetylacetonate

$C_{15}H_{21}CrO_6$
Chromium(III) acetylacetonate

$C_{15}H_{21}FeO_6$
Iron(III) acetylacetonate

$C_{15}H_{21}InO_6$
Indium(III) acetylacetonate

$C_{15}H_{21}MnO_6$
Manganese(III) acetylacetonate

$C_{15}H_{22}O_3$
3,5-Di-*tert*.-butyl-4-hydroxybenzoic acid

$C_{15}H_{23}ClN_4O_3$
N^{α}-Benzoyl-L-arginine ethyl ester hydrochloride

$C_{15}H_{23}ClO_2S$
2,4,6-Triisopropylbenzenesulphonyl chloride

$C_{15}H_{24}$
1-Phenylnonane
1,3,5-Triisopropylbenzene

$C_{15}H_{24}O$
2,6-Di-*tert*.-butyl-4-methylphenol

$C_{15}H_{25}ClN_2O_2$
Tetracaine hydrochloride

$C_{15}H_{26}O$
Farnesol

$C_{15}H_{26}O_6$
Tributyrin

$C_{15}H_{27}N_3O$
2,4,6-Tris-(dimethylaminomethyl)-phenol

$C_{15}H_{28}O$
Cyclopentadecanone

$C_{15}H_{28}O_2$
Menthyl *iso*-valerianate
Menthyl *n*-valerianate

$C_{15}H_{28}O_4$
Diethyl di-*n*-butylmalonate

$C_{15}H_{29}N$
Pentadecanoic acid nitrile

$C_{15}H_{30}O$
Diheptyl ketone

$C_{15}H_{30}O_2$
Methyl myristate
Pentadecanoic acid

$C_{15}H_{31}Br$
1-Bromopentadecane

$C_{15}H_{32}$
n-Pentadecane

$C_{15}H_{32}O$
1-Pentadecanol
2-Pentadecanol

$C_{15}H_{33}N$
Triamylamine

$C_{15}H_{33}N_3O_2$
Dodin

$C_{16}H_7K_3N_2O_{11}S_3$
Indigo trisulphonate potassium salt

$C_{16}H_8N_2Na_2O_8S_2$
Indigo carmine

$C_{16}H_9N_3Na_2O_9S_2$
Epsilon blue

$C_{16}H_9N_4Na_3O_9S_2$
Tartrazine

$C_{16}H_{10}$
Fluoranthene
Pyrene

$C_{16}H_{10}AsN_2Na_3O_{11}S_2 \cdot 3H_2O$
Arsenazo I

$C_{16}H_{10}FNO_2$
2-Phenyl-4-(2-fluorobenzal)-5-oxazolone
2-Phenyl-4-(3-fluorobenzal)-5-oxazolone
2-Phenyl-4-(4-fluorobenzal)-5-oxazolone

$C_{16}H_{10}N_2Na_2O_8S_2$
Chromotrope 2 R

$C_{16}H_{10}N_2O_2$
Indigo

$C_{16}H_{11}AsN_2Na_2O_{10}S_2$
Thorin

$C_{16}H_{11}N$
3-Aminopyrene

$C_{16}H_{11}NO_2$
2-Phenylquinoline-4-carboxylic acid

$C_{16}H_{11}N_2NaO_4S$
Tropaeolin 000 No. 1
Tropaeolin 000 No. 2

$C_{16}H_{11}N_3O_3$
4-(4-Nitrobenzeneazo)-(1)-naphthol

$C_{16}H_{12}$
9-Vinylanthracene

$C_{16}H_{12}O$
3-Acetylphenanthrene

$C_{16}H_{12}O_2$
2-Ethylanthraquinone

$C_{16}H_{13}N$
N-Phenylnaphthyl-(1)-amine

$C_{16}H_{13}NO_3$
8-Hydroxyquinoline benzoate

$C_{16}H_{14}$
1,4-Diphenylbutadiene-(1,3)

$C_{16}H_{14}N_2O$
PEBAB

$C_{16}H_{14}O_4$
Dimethyl biphenyl-4,4'-dicarboxylate

$C_{16}H_{15}Cl_3O_2$
Methoxychloro

$C_{16}H_{16}N_2O_4$
Phenmedipham

$C_{16}H_{16}O_4$
2,4,5-Trimethoxybenzophenone

$C_{16}H_{17}BrO_6$
6-Bromo-2-naphthyl-β-D-galactopyranoside
6-Bromo-2-naphthyl-β-D-glucopyranoside

$C_{16}H_{17}ClN_4O_2S$
Methylene green

$C_{16}H_{17}NO_3$
O-Benzyl-L-tyrosine

$C_{16}H_{18}ClNO_2$
Benzyl L-phenylalaninate hydrochloride

$C_{16}H_{18}ClN_3S \cdot xH_2O$
Methylene blue

$C_{16}H_{18}Cl_4O_4$
Di-*n*-butyl tetrachlorophthalate

$C_{16}H_{18}O_9 \cdot 0{,}5H_2O$
Chlorogenic acidhemihydrate

$C_{16}H_{19}Cl_2N$
N,N-Dibenzyl-2-chloroethylamine hydrochloride

$C_{16}H_{19}N_3O_3S$
Ethyl orange

$C_{16}H_{20}N_2O_4$
N^{α}-(*tert.*-Butoxycarbonyl)-L-tryptophane

$C_{16}H_{22}O_4$
Dibutyl phthalate

$C_{16}H_{26}$
1-Phenyldecane

$C_{16}H_{26}O_3$
Dodecenylsuccinic anhydride

$C_{16}H_{30}O_4$
Dodecylsuccinic acid

$C_{16}H_{31}BrO_2$
2-Bromohexadecanoic acid
Ethyl 2-bromotetradecanoate

$C_{16}H_{32}$
Decylcyclohexane
Hexadecene-(1)

$C_{16}H_{32}O$
Hexadecanone-(3)

$C_{16}H_{32}O_2$
Palmitic acid

$C_{16}H_{32}O_3$
2-Hydroxyhexadecanoic acid

$C_{16}H_{33}Br$
1-Bromohexadecane

$C_{16}H_{33}F$
1-Fluorohexadecane

$C_{16}H_{33}J$
1-Iodohexadecane

$C_{16}H_{34}$
n-Hexadecane
Hexadecane

$C_{16}H_{34}Cl_2Sn$
Dioctyltin dichloride

$C_{16}H_{34}O$
Cetyl alcohol
Dioctyl ether

$C_{16}H_{34}OSn$
Dioctyltin oxide

$C_{16}H_{35}N$
Bis-(2-ethylhexyl)-amine
Dioctylamine
Hexadecylamine

$C_{16}H_{36}BrN$
Dimethyldodecylethylammonium bro

$C_{16}H_{36}ClN$
Tetrabutylammonium chloride

$C_{16}H_{36}JN$
Tetrabutylammonium iodide

$C_{16}H_{36}Sn$
Tetrabutyltin

$C_{16}O_{16}Rh_6$
hexa-Rhodium hexadecacarbonyl

$C_{17}H_{12}Cl_{10}O_4$
Kelevan

$C_{17}H_{13}NO_2$
Naphtol AS®

$C_{17}H_{13}N_3O_9S_2$
Fast red salt B

$C_{17}H_{14}N_2O_5S$
Calmagite

$C_{17}H_{17}NO_4$
N-Benzyloxycarbonyl-L-phenylalanine

$C_{17}H_{17}NO_5$
N-Benzyloxycarbonyl-L-tyrosine
Piperine

$C_{17}H_{19}N_3O_2$
Ethyl red

$C_{17}H_{20}N_4NaO_9P \cdot 2H_2O$
Flavin mononucleotide sodium salt

$C_{17}H_{20}N_4O_6$
Riboflavine

$C_{17}H_{22}ClN_3 \cdot H_2O$
Auramine O

$C_{17}H_{24}N_2O_5$
N-Benzyloxycarbonyl-L-glutamine-*tert.*-ester

$C_{17}H_{33}N$
Heptadecanoic acid nitrile

$C_{17}H_{34}$
Heptadecene-(1)

$C_{17}H_{34}O$
Dioctyl ketone

$C_{17}H_{34}O_2$
Heptadecanoic acid
Methyl palmitate
iso-Propyl myristate

$C_{17}H_{36}$
n-Heptadecane
Heptadecane

$_{38}$BrN
Tetradecyl-N,N,N-trimethylammonium
omide

$_{6}La_2O_{12}$
loranilic acid lanthanum salt

$_{10}O_3$
ndone

$_{10}O_6 \cdot 2H_2O$
ydrindantin dihydrate

$_{12}CuN_2O_2$
opper-8-hydroxyquinoline

$_{12}N_2$
ıproin

$_{12}N_2O$
NPD

$_{12}N_6$
4,6-Tris-(2'-pyridyl)-s-triazine (TPTZ)

$_{13}N_3Na_2O_8S_2$
ophloxine

$_{14}$
Terphenyl

$_{14}Br_6N_2O_2$
dipic acid bis-(2,4,6-tribromoanilide)

$_{14}N_3NaO_3S$
etanil yellow
opaeolin 00

$_{14}N_6O_2$
ıdion

$_{15}O_8 \cdot H_2O$
benzoyl-D(+)-tartaric acid monohydrate
benzoyl-L(−)-tartaric acid monohydrate

$_{15}As$
phenylarsine

$_{15}AsO$
phenylarsine oxide

$_{15}Bi$
phenylbismuth

$_{15}ClN_4$
enosafranin

$_{15}ClSn$
ntine chloride
phenyltin chloride

$_{15}Cl_2Sb$
phenylantimony dichloride

$_{15}N$
phenylamine

$_{15}OP$
phenylphosphine oxide

$_{15}O_3P$
phenyl phosphite

$_{15}O_4P$
phenyl phosphate

$_{15}P$
phenylphosphine

$_{15}Sb$
phenylantimony

$_{16}N_2$
'-Diphenyl-p-phenylenediamine

$_{16}N_2O_6S \cdot H_2O$
ydroxyquinoline sulphate

$_{16}OSn$
tine hydroxide

$C_{18}H_{16}Si$
Triphenylsilane

$C_{18}H_{17}N_3O_7$
N-Benzyloxycarbonyl-L-asparagine 4 nitrophenylester

$C_{18}H_{18}O_4$
Dibenzyl succinate

$C_{18}H_{19}NO_4$
Ethyl N-benzoyl-L-tyrosinate

$C_{18}H_{19}NO_5S$
N-Benzyloxycarbonyl-S-benzyl-L-cysteine

$C_{18}H_{20}Cl_2$
Perthane

$C_{18}H_{20}O_2$
Diphenylolcyclohexane

$C_{18}H_{21}NO$
MBBA

$C_{18}H_{30}$
1-Phenyldodecane

$C_{18}H_{30}O_2$
Linolenic acid

$C_{18}H_{32}CaN_2O_{10}$
Calcium-D(+)-pantothenate

$C_{18}H_{32}O_2$
Linoleic acid

$C_{18}H_{32}O_{16} \cdot 5H_2O$
D(+)-Raffinose pentahydrate

$C_{18}H_{33}ClO$
Oleoyl chloride

$C_{18}H_{34}O_2$
Elaidic acid
Oleic acid

$C_{18}H_{35}ClO$
Stearoyl chloride

$C_{18}H_{36}$
Octadecene-(1)

$C_{18}H_{36}O_2$
Isooctadecanoic acid
Stearic acid

$C_{18}H_{36}O_3$
12-Hydroxystearic acid

$C_{18}H_{37}Br$
1-Bromooctadecane

$C_{18}H_{37}Cl$
1-Chlorooctadecane

$C_{18}H_{37}J$
1-Iodooctadecane

$C_{18}H_{37}N$
Oleylamine

$C_{18}H_{37}NO$
Stearamide

$C_{18}H_{37}SiCl_3$
Trichlorooctadecylsilane

$C_{18}H_{38}$
n-Octadecane

$C_{18}H_{38}O$
iso-Octadecanol
Stearyl alcohol

$C_{18}H_{38}S$
Octadecanethiol-(1)

$C_{18}H_{39}N$
Octadecylamine

$C_{19}H_4Br_4O_5S$
Tetrabromophenol blue

$C_{19}H_8Br_2Cl_2O_5S$
Bromochlorophenol blue

$C_{19}H_{10}Br_2O_6S$
Bromopyrogallol red

$C_{19}H_{10}Br_4O_5S$
Bromophenol blue

$C_{19}H_{12}Br_2O_5S$
Bromophenol red

$C_{19}H_{12}Cl_2O_5S$
Chlorophenol red

$C_{19}H_{12}O_2$
α-Naphthoflavon

$C_{19}H_{12}O_5$
Phenylfluoron

$C_{19}H_{12}O_6$
3,3'-Methylenebis(4-hydroxycoumarin)

$C_{19}H_{12}O_8S$
Pyrogallol red

$C_{19}H_{13}ClIN_5O_2$
INT

$C_{19}H_{14}O_5S$
Phenol red

$C_{19}H_{14}O_7S$
Pyrocatechol violet

$C_{19}H_{15}BNNa$
Caesignost®

$C_{19}H_{15}Cl$
Chlorotriphenylmethane

$C_{19}H_{15}ClN_4$
2,3,5-Triphenyltetrazolium chloride

$C_{19}H_{15}NO_3$
Naphtol-AS®-acetate

$C_{19}H_{15}NO_8 \cdot 2H_2O$
3-Aminomethylalizarin-N,N-diacetic acid dihydrate

$C_{19}H_{16}F_8O_2$
2,2-Bis(4-tetrafluoroethoxyphenyl) propane

$C_{19}H_{16}O$
Triphenylmethanol

$C_{19}H_{17}Cl_2P$
Chloromethyltriphenylphosphonium chloride

$C_{19}H_{17}N$
2,4-Dibenzylpyridine

$C_{19}H_{18}BrP$
Methyltriphenylphosphonium bromide

$C_{19}H_{18}Cl_3NO_4$
N-Benzyloxycarbonyl-L-valine-2,4,5-trichlorophenyl ester

$C_{19}H_{18}N_2O_4$
N^{in}-Benzyloxycarbonyl-L-tryptophan

$C_{19}H_{19}N_3O_7$
N-Benzyloxycarbonyl-L-glutamine-4-nitrophenyl ester

$C_{19}H_{19}N_7O_6$
Folic acid

$C_{19}H_{22}N_2O$
Cinchonidine
Cinchonine

$C_{19}H_{22}O_6$
Gibberellic acid

$C_{19}H_{23}ClN_2O \cdot 2H_2O$
Cinchonine hydrochloride dihydrate

$C_{19}H_{21}NO$
EBBA

$C_{19}H_{24}O_3$
Adrenosterone

$C_{19}H_{30}O_5$
Dodecyl gallate
Piperonyl butoxide

$C_{19}H_{32}$
Tridecylbenzene

$C_{19}H_{34}O_2$
Methyl linoleate

$C_{19}H_{37}N$
Octadecyl cyanide

$C_{19}H_{38}O$
Dinonyl ketone

$C_{19}H_{38}O_2$
Methyl stearate
Nonadecanoic acid

$C_{19}H_{40}$
Nonadecane

$C_{19}H_{40}O$
1-Nonadecanol
2-Nonadecanol

$C_{19}H_{42}BrN$
N-Hexadecyl-N,N,N-trimethylammonium bromide

$C_{20}H_2Cl_4J_4Na_2O_5$
Rose bengal

$C_{20}H_4Br_4Cl_2Na_2O_5$
Phloxine

$C_{20}H_6Br_2N_2Na_2O_9$
Eosin bluish

$C_{20}H_6Br_4Na_2O_5$
Eosin yellowish

$C_{20}H_6J_4Na_2O_5$
Erythrosin

$C_{20}H_8Br_4Na_2O_{10}S_2$
Bromosulphaleine

$C_{20}H_8J_2Na_2O_5$
Diiodofluorescein

$C_{20}H_{10}Cl_2O_5$
2,7-Dichlorofluorescein

$C_{20}H_{10}Na_2O_5$
Fluorescein sodium

$C_{20}H_{12}$
Benzo[α]pyrene
Perylene

$C_{20}H_{12}N_3NaO_7S$
Eriochrome black T

$C_{20}H_{12}O_5$
Fluorescein

$C_{20}H_{13}N_2NaO_6S$
Calcon®
Eriochrome blue-black B

$C_{20}H_{14}N_2O$
PBD

$C_{20}H_{14}O_4$
Phenolphthalein

$C_{20}H_{15}N_4NaO_6S \cdot H_2O$
Zincon

$C_{20}H_{16}N_2$
Naphthidine

$C_{20}H_{16}N_4$
Nitron
Rosolic acid

$C_{20}H_{17}NO_4$
N-2-Naphthyloxycarbonyl-DL-phenylalanine

$C_{20}H_{18}BrP$
Triphenylvinylphosphonium bromide

$C_{20}H_{18}O_2Sn$
Fentine acetate

$C_{20}H_{20}BrP$
Ethyltriphenylphosphonium bromide

$C_{20}H_{20}N_4P_4S_{10}$
Phosphorus(V) sulphide pyridine complex

$C_{20}H_{24}N_2O_2$
Quinine

$C_{20}H_{24}O_6$
Dibenzo-18-crown-6

$C_{20}H_{27}NO_{11}$
Amygdalin

$C_{20}H_{28}O_8Zr$
Zirconium(IV) acetylacetonate

$C_{20}H_{32}N_6O_{12}S_2$
L-Glutathione

$C_{20}H_{34}O_3$
1-Hexadecenylsuccinic anhydride

$C_{20}H_{40}O$
Phytol

$C_{20}H_{41}NO$
Hallcomid M 18

$C_{20}H_{42}$
Eicosane

$C_{20}H_{42}O$
Didecyl ether
Eicosanol-(1)

$C_{20}H_{43}N$
Didecylamine

$C_{20}H_{44}BrN$
Dimethylethylhexadecylammonium bromide

$C_{21}H_{11}NO_5S$
Fluorescein isothiocyanate

$C_{21}H_{14}Br_4O_5S$
Bromocresol green

$C_{21}H_{14}N_2O_7S$
Calconcarboxylic acid

$C_{21}H_{16}Br_2O_5S$
Bromocresol purple

$C_{21}H_{16}N_2$
2,4,5-Triphenylimidazole

$C_{21}H_{18}N_2$
Hydrobenzamide

$C_{21}H_{18}O_5S$
m-Cresol purple

$C_{21}H_{20}BrP$
Cyclopropyltriphenylphosphonium bromide

$C_{21}H_{20}Br_8O_2$
Octabromophenol ether

$C_{21}H_{20}O_6$
Curcumin

$C_{21}H_{21}N$
Tribenzylamine

$C_{21}H_{21}O_4P$
Tricresyl phosphate
Tri-*p*-cresyl phosphate

$C_{21}H_{22}Cl_2N_6O \cdot 3{,}5H_2O$
B-4-amino-quinoline urea

$C_{21}H_{23}JN_2$
Quinaldine red

$C_{21}H_{25}NO_5$
N-(*tert.*-Butoxycarbonyl)-O-benzyl-L-t

$C_{21}H_{28}N_2O_5$
Doxylamine succinate

$C_{21}H_{33}N_3O_4S$
N-Cyclohexyl-N'-[β-(N-methylmorpho
ethyl]carbodiimide-p-toluenesulphon

$C_{21}H_{38}ClN \cdot H_2O$
Hexadecylpyridinium chloride monoh

$C_{21}H_{42}O$
Didecyl ketone

$C_{21}H_{44}O_3$
Batyl alcohol

$C_{22}H_{13}Br_4KO_4$
3,3',5,5'-Tetrabromophenolphthalein
ester potassium salt

$C_{22}H_{16}N_4O$
Sudan (III)

$C_{22}H_{18}As_2N_4O_{14}S_2$
Arsenazo III

$C_{22}H_{18}O_4$
o-Cresolphthalein

$C_{22}H_{20}N_2$
3,3'-Dimethylnaphthidine

$C_{22}H_{20}O_{13}$
Carminic acid

$C_{22}H_{23}N_3O_9$
Aurin tricarboxylic acid ammonium sa

$C_{22}H_{24}N_2O_7$
N-Benzyloxycarbonyl-L-glutamyl-L-phenylalanine

$C_{22}H_{24}N_2O_8$
N-Benzyloxycarbonyl-L-glutamyl-L-tyr

$C_{22}H_{30}O_2$
2-Naphthyl laurate

$C_{22}H_{42}N_2O_4$
N-(*tert.*-Butoxycarbonyl)-L-valine
dicyclohexylammonium salt

$C_{22}H_{42}N_2O_4S$
N-(*tert.*-Butoxycarbonyl)-L-methionine
dicyclohexylammonium salt

$C_{22}H_{42}O_2$
Erucic acid

$C_{22}H_{44}$
1-Docosene

$C_{22}H_{44}O_2$
Behenic acid

$C_{22}H_{46}$
Docosane

$C_{22}H_{46}O$
1-Docosanol

$C_{23}H_{13}Cl_2Na_3O_9S$
Chrome azurol S

$C_{23}H_{15}Na_3O_9S$
Eriochrome cyanine

$C_{23}H_{16}O_6$
4,4'-Methylenebis(3-hydroxy-2-naphthalenecarboxylic acid)

$C_{24}H_{40}O_4$
Deoxycholic acid
3α,7α-Dihydroxy-5β-cholanic acid

$C_{24}H_{40}O_5$
Cholic acid SF

$C_{24}H_{44}Sn$
Tetracyclohexyltin

$C_{24}H_{46}O_4$
Dilauroyl peroxide

$C_{24}H_{48}N_2O_5$
N-Benzyloxycarbonyl-O-*tert.*-butyl-L-tyrosine dicyclohexylammonium salt

$C_{24}H_{50}$
Tetracosane

$C_{24}H_{50}O$
Didodecyl ether

$C_{24}H_{51}N$
Trioctylamine
Tri-*iso*-octylamine

$C_{24}H_{51}OP$
Trioctylphosphine oxide

$C_{24}H_{54}OSn_2$
Bis(tributyltin) oxide

$C_{24}H_{54}Sn_2$
Hexabutylditin

$C_{25}H_{17}NO$
PBBO

$C_{25}H_{22}ClP$
Benzyltriphenylphosphonium chloride

$C_{25}H_{30}ClN_3$
Crystal violet

$C_{25}H_{40}N_2O_4$
N-Benzyloxycarbonyl-L-valine dicyclohexylammonium salt

$C_{25}H_{44}N_2O_4$
N-(*tert.*-Butoxycarbonyl)-L-norleucine dicyclohexylammonium salt

$C_{25}H_{46}ClN \cdot H_2O$
Benzyldimethylhexadecylammonium chloride

$C_{25}H_{46}N_2O_6$
N-(*tert.*-Butoxycarbonyl)-L-aspartic acid-β-*tert.*-butylester dicyclohexylammonium salt

$C_{26}H_{18}N_2Na_2O_6S_2$
Bathocuproin disulphonic acid disodium salt

$C_{26}H_{18}N_4Na_2O_8S_2$
Brilliant yellow

$C_{26}H_{20}$
Tetraphenylethylene

$C_{26}H_{20}N_2$
Bathocuproin

$C_{26}H_{20}N_2O_2$
Dimethyl-POPOP

$C_{26}H_{21}NO_3$
N-Benzoyl-DL-phenylanaline-2-naphthyl ester

$C_{26}H_{22}O_2$
Tetraphenylethanediol-(1,2)

$C_{26}H_{24}N_6O_4S \cdot 2H_2O$
Proflavine hemisulphate

$C_{26}H_{26}N_2O_2S$
BBOT

$C_{26}H_{26}N_6O_{10}S_2$
4,4'-Bis-(3,4-dihydroxybenzeneazo)-stilbene-2,2'-disulphonic acid diammonium salt

$C_{26}H_{33}Cl_2N_3$
Methyl green

$C_{26}H_{42}N_2O_4$
N-Benzyloxycarbonyl-L-leucine dicyclohexylammonium salt
N-Benzyloxycarbonyl-L-*iso*-leucine dicyclohexylammonium salt
N-(*tert.*-Butoxycarbonyl)-β-phenyl-L-alanine dicyclohexylammonium salt

$C_{26}H_{42}O_4$
Dinonyl phthalate

$C_{26}H_{44}NNaO_7S$
Taurocholic acid sodium salt

$C_{26}H_{48}N_2O_6$
N-(*tert.*-Butoxycarbonyl)-L-glutamic acid-γ-*tert.*-butylester dicyclohexylammonium salt

$C_{26}H_{50}O_4$
Bis-(2-ethylhexyl)sebacate

$C_{27}H_{20}O_3$
Naphthol-(1)-benzein

$C_{27}H_{27}Br_2NaO_5S$
Bromothymol blue

$C_{27}H_{27}N_2NaO_9S$
Glycine cresol red

$C_{27}H_{28}Br_2O_5S$
Bromothymol blue

$C_{27}H_{30}O_5S$
Thymol blue

$C_{27}H_{30}O_{16} \cdot 3H_2O$
Rutoside

$C_{27}H_{31}N_9Na_2O_{15}P_2 \cdot 2H_2O$
Flavin adenine dinucleotide disodium salt

$C_{27}H_{44}N_2O_5$
N-Benzyloxycarbonyl-O-*tert.*-butyl-L-serine dicyclohexylammonium salt
N-(*tert.*-Butoxycarbonyl)-O-benzyl-L-serine dicyclohexylammonium salt

$C_{27}H_{46}O$
Cholesterol

$C_{27}H_{54}O$
Ditridecyl ketone

$C_{28}H_{15}NO_4$
1,1'-Dianthrimide

$C_{28}H_{18}O_4$
α-Naphtholphthalein

$C_{28}H_{19}N_5Na_2O_6S_4$
Titan yellow

$C_{28}H_{22}$
TPB

$C_{28}H_{30}O_4$
Thymolphthalein

$C_{28}H_{31}ClN_2O_3$
Rhodamine B

$C_{28}H_{32}N_2O_7$
N^{α}-Benzyloxycarbonyl-N^{γ}-(4,4'-dimethoxybenzhydril)-L-glutamine

$C_{28}H_{44}ClNO_2$
Hyamine® 10 X

$C_{28}H_{58}$
Octacosane

$C_{29}H_{20}O$
Tetraphenylcyclopentadiene-(2,4)-on-(1)

$C_{28}H_{46}N_2O_5$
N-Benzyloxycarbonyl-O-*tert.*-butyl-L-threonine dicyclohexylammonium salt

$C_{19}H_{20}N_2O_4$
N-Benzyloxycarbonyl-L-glutamic acid
tert.-butyl ester dicyclohexylammonium salt
N-(tert.-Butoxycarbonyl)-L-glutamic acid-γ-
benzylester dicyclohexylammonium salt

$C_{29}H_{50}O_2$
α,-α-Tocopherol

$C_{20}H_{10}FeN_2Na_2O_{10}S_2$
Naphthol green B

$C_{30}H_{26}N_2O_{13}$
Calcein

$C_{20}H_{17}ClN_6$
Diazine green

$C_{30}H_{62}$
Squalane

$C_{30}H_{63}N$
Tri-(decyl)-amine

$C_{31}H_{30}Na_4O_{13}S$
Xylenol orange tetrasodium salt

$C_{31}H_{52}O_3$
α,-α-Tocopherol acetate

$C_{32}H_{16}N_8Ni$
Nickel phthalocyanine

$C_{32}H_{22}N_6O_6S_2$
Congo red

$C_{33}H_{32}N_2O_{13}$
Phthalein purple

$C_{33}H_{68}$
Dotriacontane

$C_{33}H_{34}ClN_3$
Victoria blue B

$C_{33}H_{36}N_4O_6$
Bilirubin

$C_{34}H_{24}N_4Na_2O_8S_2$
Benzopurpurine 6 B

$C_{34}H_{62}O_{11}$
Triton® X-100

$C_{34}H_{36}N_4O_4$
Protoporphyrin IX dimethyl ester

$C_{36}H_{70}O_4Zn$
Zinc stearate

$C_{36}H_{72}O_{26}$
Hyprose SP 80

$C_{36}H_{74}$
Hexatriacontane

$C_{37}H_{40}N_2Na_2O_{10}S$
Methyl thymol blue

$C_{38}H_{36}Cl_2N_6$
NTC

$C_{38}H_{40}N_2O_{12}$
Thymolphthalexone

$C_{40}H_{31}Cl_2N_5O_2$
BTC (Blue tetrazolium chloric

$C_{40}H_{80}NO_8P$
L-β,γ-Dipalmitoyl-α-lecithin

$C_{40}H_{84}Sn$
Tetradodecyltin

$C_{40}H_{40}O_2$
BIBUQ

$C_{54}H_{45}ClP_3Rh$
Tris-(triphenylphosphine)rhod

$C_{40}H_{46}O_{20}$
Escin

$C_{41}H_{72}O_{14}$
Digitonin

$C_{62}H_{90}CoN_{13}O_{14}P$
Vitamin B_{12}

$C_{72}H_{100}CoN_{18}O_{17}P$
Coenzyme B_{12}

$C_{82}H_{162}O_{41}$
Triton® X-405

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